

**OLYMPUS®**

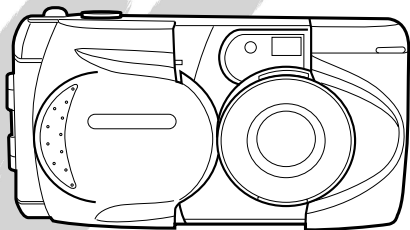
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Digital Camera

# D-490ZOOM

## Operating Instructions

- Before you use this camera, read this manual and then store it in a safe location where you can find it for future use.
- We recommend that you spend some time taking test shots and experimenting with all of the features before you take important photographs.



# CAMERA

### Legal and other notices

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## IMPORTANT NOTICES

### Radio and Televisions Interference

Change or modifications not expressly approved by the manufacturer may void the user's authority to operate this equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the camera and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Only the included RS-232C serial cable should be used to connect the camera to a personal computer (PC).

### Declaration of Conformity

Model Number: D-490ZOOM

Trade Name: OLYMPUS

Responsible party: Olympus America Inc.

Address: 2 Corporate Center Drive, Melville, New York 11747-3157  
U.S.A.

Telephone number: 631-844-5000

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

# Important Safety Instructions

Thank you for purchasing this Olympus digital camera. Before you use your new camera, read these instructions carefully to enjoy optimum performance and a longer service life. Keep this manual in a safe place for future reference.



A lightning flash with an arrowhead, enclosed in a triangle, alerts you to the presence of uninsulated voltage points inside the product which could cause a serious electrical shock.



An exclamation point enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.

## **WARNING!**

**TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.**

- 1 Read All Instructions — Before you use the product, read all operating instructions.
- 2 Save These Instructions — Save all safety and operating instructions for future reference.
- 3 Heed Warnings — Read carefully and follow all warning labels on the product and all warnings described in the instructions.
- 4 Follow Instructions — Follow all instructions provided with this product.
- 5 Cleaning — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
- 6 Attachments — For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.
- 7 Water and Moisture — Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, or swimming pool).
- 8 Location — To avoid damage to the product and to avoid personal injury, never place this product on a unstable stand, tripod, bracket, table or cart. Mount only on a stable tripod, stand, or bracket. Follow the instructions which describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
- 9 Power Sources — Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company. Refer to your operating instructions for information on using the product with batteries.

- 10 Grounding, Polarization — If this product can be used with an optional AC adapter, the adapter may be equipped with a polarized alternating current line plug, a plug with one blade wider than the other. This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and then insert it again. If the plug still fails to fit, contact an electrician and have the receptacle replaced.
- 11 Protecting the Power Cord — The power supply cord should be routed so it will not be walked on. Never place a heavy object on the power cord and never wrap the power cord around the leg of a table or chair. Keep the areas around the power cord connection points, at the power outlet and at the product connection, free of all obstacles.
- 12 Lightning — If a lightning storm occurs while using the optional AC adapter, unplug the adapter power cord from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the camera when the camera is not in use.
- 13 Overloading — Never overload wall outlets, extension cords, power strip, or other power connection points with too many plugs.
- 14 Foreign Objects, Spillage — To avoid personal injury from fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.
- 15 Servicing — Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.
- 16 Damage Requiring Service — While using the optional AC adapter, if you notice any of the conditions described below, unplug the AC adapter from the wall outlet and refer servicing to qualified service personnel:
  - a) If liquid has been spilled, or any object has fallen into the product.
  - b) If the product has been exposed to water.
  - c) If the product does not operate normally while following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product, requiring extensive repair work by a qualified technician to restore the product to normal operation.
  - d) If the product has been dropped or damaged in any way.
  - e) If the product exhibits a distinct change in performance, this indicates a need for servicing.
- 17 Replacement Parts — When replacement parts are required, make sure that the service center uses only parts recommended by the manufacturer to ensure that the replacement parts have the same characteristics as the originals. Unauthorized substitution of parts could cause a fire, electrical shock, or create other hazards.
- 18 Safety Check — Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working condition.
- 19 Heat — Never use or store this product near a heat source such as a radiator, heat register, stove, or any type of equipment or appliance which generates heat, including stereo amplifiers.

**WARNING!**

- Keep batteries away from children.
- If a child swallows a battery, seek medical attention immediately.
- Dispose of lithium batteries promptly and safely in compliance with local laws regarding the disposal of such items.
- To avoid causing a fire or minor burns, always handle lithium batteries carefully.
- Never attempt to charge the lithium battery, disassemble it, heat it above 212°F (100°C) or incinerate it.
- To ensure good contact, wipe the battery with a clean, dry cloth before use.
- To avoid short circuiting the +/- sides of the battery, never handle a lithium battery with a metal tool, tweezers, etc.

**WARNINGS**

Ignoring a warning could lead to serious injury or death.

**CAUTIONS**

Ignoring a caution could cause minor personal injury, damage to the equipment, or the loss of valuable data.

**NOTES**

Notes provide tips or hints about using the product more efficiently and remind you of operational limitations.

**Handling Batteries**

Follow these important guidelines to prevent the batteries from leaking, overheating, burning, exploding, or causing electrical shock or burns.

**WARNING**

- 1 If you use NiMH batteries, use only Olympus NiMH batteries and the recharging unit recommended for use with these batteries.
- 2 Never load batteries with their +/- terminals reversed. Never force batteries into the battery compartment.
- 3 To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, with soldering, etc.
- 4 Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects like jewelry, pins, fasteners, etc.
- 5 Never heat batteries or incinerate them.
- 6 Never attempt to connect a battery directly to a power outlet, or to a cigarette lighter in a vehicle.
- 7 If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.

**CAUTION**

- 1 Keep batteries dry at all times. Never allow them to come into contact with fresh water or salt water.
- 2 To prevent batteries from leaking, overheating, or causing a fire or explosion:
  - Use only batteries recommended for use with this product.
  - Never heat batteries, incinerate them, or attempt to disassemble them.
  - Never mix batteries (old and new batteries, charged and uncharged batteries, batteries of different manufacture or capacity, etc.).
  - Never attempt to charge alkaline or lithium batteries.
  - Load batteries carefully as described in the operating instructions. Never reverse their polarity when loading.
  - To prevent a fire or minor burns, inspect batteries carefully before loading. Never load a battery if you notice that the insulation or protective covering is damaged in any way or if the battery cover is warped, even if the batteries are new.
- 3 If NiMH batteries are not charged within the specified time, stop charging them and do not use them.
- 4 Before loading, always inspect batteries carefully for leaks, discoloration, warping, or any other abnormality.
- 5 Always store batteries out of the reach of small children. If a child accidentally swallows a battery, seek medical attention immediately.
- 6 If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- 7 Never attempt to modify the battery compartment on the camera, never insert anything (other than the recommended battery) into the battery compartment.

## CAUTION

- 1 Olympus NiMH batteries are intended for use only with Olympus digital cameras. Never use these batteries with any other device.
- 2 Never subject batteries to strong shocks or continuous vibration.
- 3 Never mix batteries (old and new batteries, charged and uncharged batteries, batteries of different manufacture or capacity, etc.).
- 4 Always charge sets of batteries (2 or 4) together.
- 5 Always charge NiMH batteries before using them for the first time, or if they have not been used for a long period.
- 6 While the camera is not in use, always remove the batteries to prevent accidental leakage which could damage the battery compartment.
- 7 Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- 8 Batteries may become hot during prolonged use. To avoid minor burns, never remove them immediately after using the camera.

## Handling the Camera

### WARNING

- 1 Use caution when taking flash pictures at close range. When you fire the flash, you must be at least 3ft. away from the faces of your subjects, especially when taking pictures of infants and small children. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.
- 2 To avoid damaging your eyes, never aim the camera directly into the sun, or any other extremely bright light source.
- 3 To avoid causing a fire or explosion, never use the camera in near flammable or explosive gases.
- 4 Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
  - Becoming entangled in the camera strap, causing strangulation.
  - Accidentally swallowing a battery or small part.
  - Accidentally firing the flash into their own eyes or into the eyes of another child.
- 5 To avoid the hazards of fire or electrical shock, store the camera in a cool, dry location where it will not be subjected to high humidity or dust.
- 6 To avoid minor burns, never cover the flash with your hand when it is fired. Never touch the flash unit after continuous use. The flash unit becomes very hot during continuous operation.
- 7 If the camera is accidentally dropped in water, or if liquid is spilled into the camera, stop using the camera, allow the camera to dry, and then remove the batteries. Contact the nearest Olympus authorized service center.

## **WARNING**

- 1 During operation of the camera, if you notice any unusual odors, noise, or smoke around the camera, immediately switch the camera off, disconnect the optional AC adapter (if it is connected), and allow the camera to sit idle for a few minutes to allow it time to cool. Take the camera outdoors, away from flammable objects, and carefully remove the batteries to avoid burning your hands. Contact the nearest Olympus service center immediately.
- 2 Never attempt to disassemble the camera. The internal circuits contain high voltage points which could cause serious burns or electrical shock.
- 3 To avoid dangerous electrical shock, never hold or operate the camera with wet hands.
- 4 To avoid damaging the camera or causing a fire, never expose the camera to excessive heat.

## **Camera Care and Storage**

### **HANDLING**

- Never store or use the camera for long periods in locations subject to direct sunlight, high humidity, extreme variation in temperature, or strong shocks and constant vibration. Protect the camera at all times from dust and sand.
- Never store the camera near any type of appliance or equipment which generates high temperatures, low temperatures, high or low humidity, or a strong magnetic field. Never use the camera in a factory or laboratory where flammable gases are present.
- Never shake the camera or subject it to shock or strong vibration.
- To avoid damaging its precision lens, never leave the camera pointing directly into the sun.
- Before storing the camera for a long period, remove the batteries. Select a cool, dry location for storage to prevent condensation or mold from forming inside the camera. After storage, test the camera by pressing the shutter release button to make sure that it is operating normally.
- When the camera is mounted on a tripod, adjust the tripod head to reposition the camera; do not twist the camera.
- Never touch the flash after it has been fired. Avoid using the flash for extended periods. Allow it to cool occasionally between shots.
- To avoid injury from electrical shock, never attempt to disassemble or modify the camera in any way.

## **NOTE**

### **Selecting Batteries for Your Camera**

- This camera can use four AA NiMH batteries, four AA Alkaline batteries, four AA lithium batteries, four AA NiCd batteries, or two CR-V3 lithium battery packs. Use of Olympus brand batteries is strongly recommended.
- Alkaline battery performance is limited, especially at low temperatures. Using NiMH batteries is recommended.
- AA Zinc-carbon batteries cannot be used with this camera.
- Always follow the battery recommendations and loading instructions. Incorrectly loading the batteries could cause the batteries to leak or overheating.
- When using the camera on battery power at low temperatures, try to keep the camera and extra batteries as warm as possible. Batteries which run down at low temperatures may be restored after they are warmed at ambient temperature.
- Perspiration or oil from your hands on the battery contacts could prevent them from operating. Before loading batteries, wipe the terminals with a dry, clean cloth.
- Before going on a long trip, especially before traveling abroad, purchase an ample supply of extra batteries. The recommended batteries may be difficult to obtain while traveling.
- Always recharge NiMH or NiCd batteries with a charger recommended for use with these batteries.
- Before using NiMH or NiCd batteries, always read the instructions provided with purchase of these batteries.
- To avoid personal injury or damage to the camera, always inspect batteries before loading. If you notice leaking, damage to the battery cover or insulation, discoloration, warping or any other abnormality do not use the batteries.
- Recommended temperature ranges for NiMH batteries:
 

Operation.....	32° ~ 104°F
Charge.....	32° ~ 104°F
Storage.....	-4° ~ 86°F
- Using, charging, or storing the batteries outside these ranges could shorten battery life or affect battery performance. Always unload the batteries from the camera before storing the camera and batteries for a long period.

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## **Main Features**

- With its high-resolution CCD (total 2,110,000 pixels) and the high-performance lens, the Olympus CAMEDIA digital camera produces the best picture quality in its class.
- The 3x zoom lens together with the 2.5 digital telephoto mode offers an impressive 7.5x maximum zoom.
- Olympus high-recording mode lens equals those found on single lens reflex cameras.
- The removable SmartMedia card system gives you a hassle-free way to take as many photos as you want.
- In addition to still photos, it is also possible to shoot movie pictures and play back images (p.88, p.104).
- Using the NTSC video output connector, you can view images on a television screen (p.54).
- Using the print reserve function, pictures can be automatically printed on DPOF (Digital Print Order Form) printers, or at conventional photo laboratories.
- In addition to the optical viewfinder, you can also use the 1.8-inch monitor as a viewfinder (p.39, p.42).
- The monitor image can be enlarged 3x during playback to verify picture quality (p.53).
- Exposure compensation (p.76), spot metering (p.78), and other functions are simple using our easy menu operations.
- The SmartMedia card can be written faster than with previous models, D-400ZOOM series, thus reducing the possibility of missing important shots.
- The battery power, light weight, and compact size make this camera extremely portable.

# Using this Manual

This manual is divided into eight chapters and one appendix which cover the main unit (hereafter called “the camera”).

## Chapter 1 Getting Started

Details confirming the contents of the box, the names of all the parts of the camera and preparing the camera to be used for the first time are all explained in this chapter. It is essential to read this before using the camera for the first time.

## Chapter 2 Learning the Basics

Basic operations of the camera are explained, including turning on the power, shooting a still image, checking that image and turning the power off. Reading this chapter will make taking pictures with this camera easy and enjoyable. Be sure to read this section.

## Chapter 3 Playing Images Back

After taking a few images and putting together some finished photos, you will probably want to connect the camera to a television to view them on the big screen. This chapter explains how to turn the power on for playback, view the images, and turn the power off. Read this after you've taken a few practice pictures as explained in Ch. 2.

## Chapter 4 Taking Better Pictures

This chapter explains how to focus the camera, as well as how to use the flash feature and shutter release button properly in order to take great pictures. Read this after you have familiarized yourself with Ch. 2 and taken several pictures with the camera.

## Chapter 5 Advanced Shooting Techniques

All the functions for capturing moving images, as well as using various advanced shooting features, are explained in this chapter. Refer to each of these functions as needed.

## Chapter 6 Advanced Playback Techniques

Playing back and editing movie images, as well as other useful display functions, are explained in this chapter. Refer to each of these functions as needed.

## Chapter 7 Printing

Images from SmartMedia cards can be printed either on DPOF (Digital Print Order Form) printers or in conventional photo laboratories. Pre-selecting images in the camera and setting them to date print before processing is explained in this chapter. Refer to this chapter as needed.

## Chapter 8 Processing Photo Images with a Computer

Using the CAMEDIA Master 2.0, images can be sent to a computer, where further processing is possible. This chapter introduces the main features of the CAMEDIA Master 2.0.

## Appendix

You will also find a troubleshooting guide and explanations of the key technical specifications.

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## Additional information

The followings may appear at the bottom of each page.

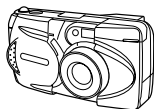
**CAUTION:** These sections contain important precautions. Be sure to read.

**HELP:** These sections include information and helpful hints on how to handle problems that may arise during operation.

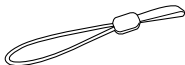
**NOTE:** These sections contain tips which are good to know in advance.

# Checking the Contents

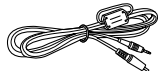
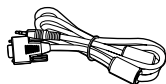
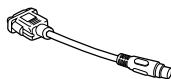
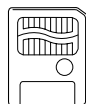
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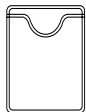
Strap



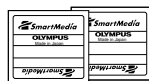
Video cable

Standard RS-232C interface  
D-SUB 9-pin connectorConversion connector for  
MacintoshCR-V3  
lithium battery  
pack (2 packs)Software  
CDSmartMedia  
(8MB)

Static-free case

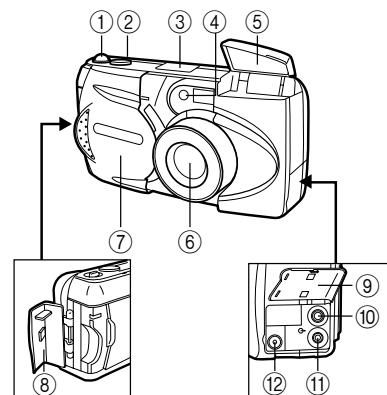
SmartMedia  
instructionsWrite-protect adhesive seals  
(4 pieces)

Index labels (2 pieces)

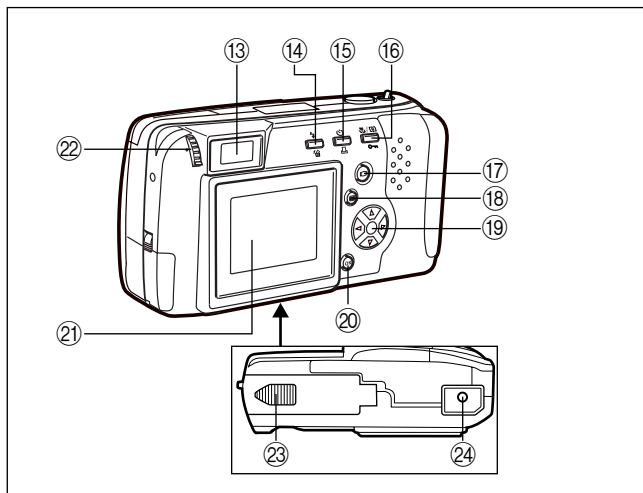
Instructions /  
Warranty  
agreement

## Names of Parts

Camera

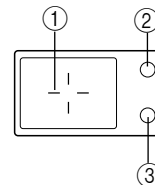


- ① Zoom lever (p.44)
- ② Shutter release button (p.40)
- ③ Control panel (p.23)
- ④ Self-timer signal lamp (p.70)
- ⑤ Flash (p.45)
- ⑥ Lens
- ⑦ Lens barrier (p.34)
- ⑧ Card compartment cover (p.30)
- ⑨ Connector cover
- ⑩ Video output connector (p.54)
- ⑪ Computer connector (p.125)
- ⑫ AC adapter connector (p.29)



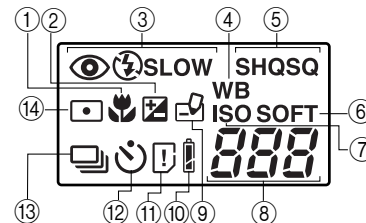
- 13 Viewfinder (p.58)
- 14 Flash mode button (p.63) / Erase button (p.56)
- 15 Self-timer (p.70) / Print button (p.117)
- 16 Macro / Digital telephoto button (p.68/69)
- 17 Monitor button (p.31)
- 18 Menu button (p.31)
- 19 Arrow pad (p.31)
- 20 OK button (p.32)
- 21 Monitor (p.42)
- 22 Diopter adjustment dial (p.33)
- 23 Battery compartment cover (bottom) (p.26)
- 24 Tripod socket (bottom)

## Viewfinder

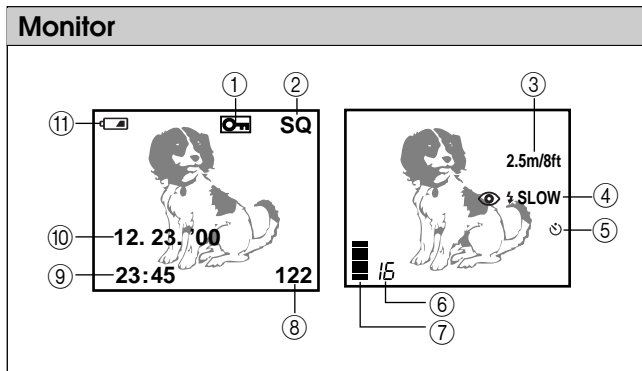


- 1 Autofocus mark (p.60) / Backlighting correction mark (p.64)
- 2 Orange lamp (p.45)
- 3 Green lamp (p.40)

## Control Panel

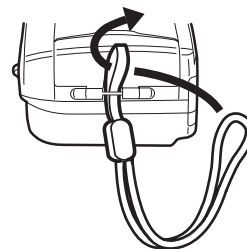


- 1 Macro mode mark (p.68)
- 2 Exposure compensation mark (p.76)
- 3 Flash mode (p.63)
- 4 White balance mark (p.82)
- 5 Record mode (p.80)
- 6 Sharpness (p.94)
- 7 ISO mark (p.84)
- 8 Remaining picture count (p.37)
- 9 Write mark (p.41)
- 10 Battery check (p.36)
- 11 Card error (p.136) / Card function (p.91)
- 12 Self-timer (p.70)
- 13 Sequential shooting (p.86)
- 14 Spot metering mark (p.78)



- ① Protect mark (p.55)
- ② Record mode (p.80)
- ③ Quick focus (p.61)
- ④ Flash (p.63)
- ⑤ Self-timer (p.70)
- ⑥ Remaining picture count (p.37)
- ⑦ Memory gauge (p.42)
- ⑧ Frame number (p.107)
- ⑨ Time (p.31)
- ⑩ Date (p.31)
- ⑪ Battery check (p.36)

## Attaching the Strap



### 1 Attach the strap to the camera.

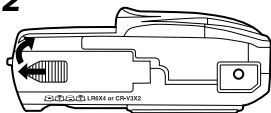
#### CAUTION

- Attach the strap exactly as shown in the diagram. If the strap is attached incorrectly the camera may come loose and fall off. In this case, Olympus will not be responsible for any damage.

# Inserting the Batteries

This camera uses four AA (R6) alkaline, NiMH, lithium or NiCd batteries. It can also take two CR-V3 lithium battery packs (Olympus LB-01). Do not mix different types of batteries or insert the batteries facing in the wrong direction. Do not use manganese batteries, as they may overheat and cause fatal damage to the camera.

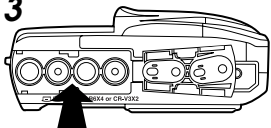
2



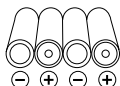
## 1 Make sure the power is off.

- The lens barrier must be closed.
- Make sure the monitor and the control panel are off.

3



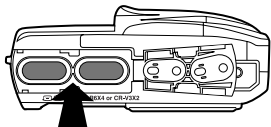
## 2 Slide the battery compartment cover to the side and lift it up to open.



Using AA (R6) alkaline batteries

## 3 Insert the batteries as shown in the diagram.

- When using the lithium battery packs, insert them so the "CAMEDIA" label on each battery is facing the lens side of the camera.

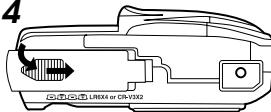


Using lithium battery packs

## 4 With the battery compartment cover closed, press the tab and slide it over into the locked position.

- If the battery compartment cover seems hard to close, do not force it. Slide the battery compartment cover toward "OPEN" while pressing down to close.

4



## CAUTION

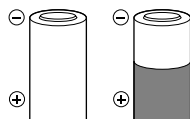
- The CR-V3 (Olympus-brand LB-01) lithium battery packs are not rechargeable.
- Make sure that the camera power is off before inserting the batteries.
- Alkaline batteries deliver markedly inferior performance, especially in cold weather. For this reason, we highly recommend using NiMH batteries or lithium battery packs.
- Do not use Zinc-carbon batteries. Please read battery warnings.
- Do not touch the inside of the empty battery compartment.
- If the camera is left for one hour with the batteries removed and the optional AC adapter disconnected, all camera settings will revert to their initial settings.

\* See "Handling Batteries" on page 8~10.

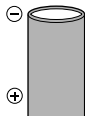
## WARNING

Batteries with any part of the outer seal (electrical insulation sheath) peeling off, or any battery split along the seam, can leak, generate heat, or explode. Never use damaged batteries in the camera. Store-bought batteries occasionally may be defective, with all or part of the magnetic insulation sheath peeling off. Never use batteries in this condition.

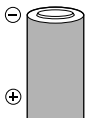
**These batteries cannot be used:**



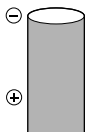
Batteries with all or part of the electrical insulation sheath peeled off.



The negative electrode (minus terminal) is flat and only partially covered by the seal (electrical insulation sheath).



Part of the negative electrode is protruding although not covered by the seal.



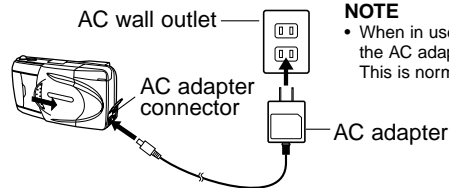
The negative electrode (the minus surface) is flat and not covered by the seal.

## Using the AC Adapter (sold separately)

The camera may be operated on ordinary (AC120V) household current from a wall outlet by using the optional AC adapter (sold separately).

**CAUTION**

- Olympus 3V adapter cannot be used with this unit.



**NOTE**

- When in use for long periods of time the AC adapter may heat up slightly. This is normal.

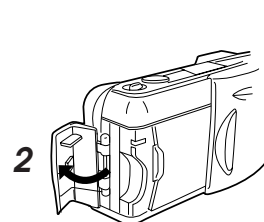
**WARNING**

Incorrect use may result in fire, electric shock or burns to the skin.

- Make sure that the camera is used only with AC120V electric current.
- Make sure the AC adapter is properly plugged into the outlet.
- Never plug in or unplug the AC adapter with wet hands.
- In the unlikely event that the AC adapter cord becomes hot, or you see or smell smoke, unplug it immediately and discontinue use. Contact your Olympus dealer or an authorized Olympus service center for assistance.
- Do not use any adapter other than the Olympus adapter. Using a different adapter can damage the camera or the power source, or cause other malfunctions. Olympus will not be responsible for damage caused by the use of other AC adapters.
- When unplugging the AC adapter always grasp the body, not the cord of the adapter.
- Do not pull, bend, twist or modify the cord.
- If the cord is gouged or otherwise damaged, stop using the adapter and contact your nearest authorized Olympus service center.
- When connecting or disconnecting the AC adapter, always make sure that the camera is turned off.
- Always unplug the adapter when the camera is not in use.

# Inserting the SmartMedia Card

Always insert a SmartMedia card (hereafter called "card") before taking pictures.



## 1 Make sure the power is off.

- The lens barrier must be closed.
- Make sure the monitor and the control panel are off.

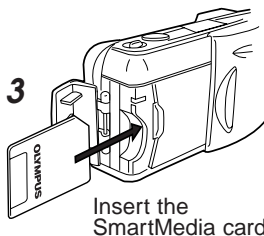
## 2 Open the card cover.

## 3 Insert the card as shown in the diagram.

**Insert Special Function SmartMedia cards (sold separately) in the same manner.**

- Use 3V (3.3V) cards only. 5V cards cannot be used with this system.
- Olympus brand cards are recommended, but non-Olympus brand cards may also be used.
- When using non-Olympus brand cards, formatting in the camera is recommended (p.111~112).

## 4 Close the card compartment cover so it clicks into place.



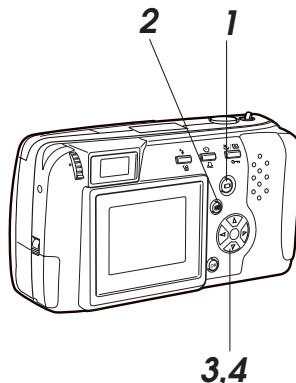
Insert the SmartMedia card

### CAUTION

- Never open the card cover, eject the card, remove the batteries, or disconnect the AC adapter while the camera power is turned on. Doing so may destroy the image data on the card. Destroyed images cannot be recovered.
- The card is a precision instrument. Do not subject to it excessive force or shock.
- Do not touch the gold portion of the card.

# Setting the Date and Time

If the batteries are removed from the camera or allowed to lose their charge, date and time settings will fail and must be reset. Make sure the date and time settings are correct before taking important pictures.



## 1 Make sure the lens barrier is closed and SmartMedia is inserted, then press the monitor button.

- The screen will be displayed on the monitor.

## 2 Press the menu button.

- The playback menu will be displayed on the monitor.

## 3 Press the arrow pad $\Delta$ or $\nabla$ to move the on-screen arrow to date setting, then press $\triangleright$ .

- The date setting screen appears.

## 4 Press the arrow pad $\Delta$ or $\nabla$ to select how you want the date displayed:

MDY (Month/Day/Year)

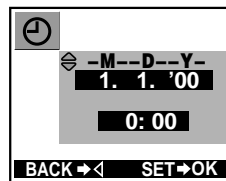
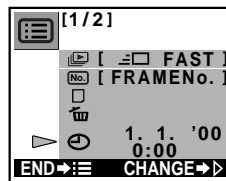
DMY (Day/Month/Year)

YMD (Year/Month/Day)

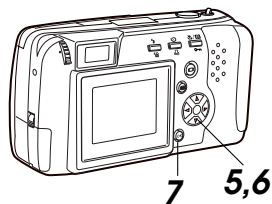
After making your selection, press  $\triangleright$ .

- The indication moves to first date value.

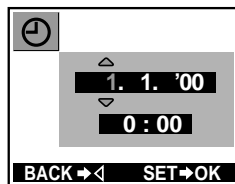
Monitor (Playback menu)







Monitor  
(Date setting screen)



### To cancel the date setting

Press the menu button instead of the OK button in step 7 above.

### NOTE

- Until you change it, the date setting will remain current even when the power is turned off.

### 5 Press the arrow pad $\Delta$ or $\nabla$ to set the first number, then press $\triangleright$ .

- The indication moves to second date value.

### 6 Repeat the process until the date and time are set.

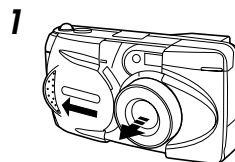
- The year 2000 is displayed as "00".

### 7 Turn the counter to 00, then press the OK button twice to save the settings.

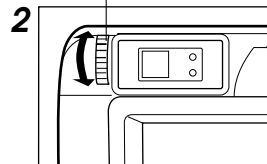
- When the date and time are set the playback menu goes off.

## Adjusting the Viewfinder

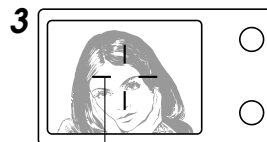
Adjust the viewfinder to the most comfortable position for you.



Diopter adjustment dial



Viewfinder



Autofocus mark

### 1 Slide the lens barrier open until it clicks.

- The power turns on and the lens extends.

### 2 While looking through the viewfinder, gently turn the diopter adjustment dial.

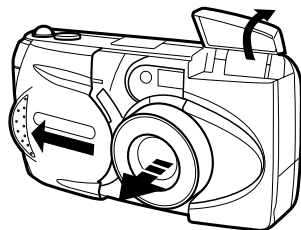
### 3 Stop turning the dial when the autofocus mark is clearly visible.

### 4 You are ready to take some photos.

- See Chapter 2 (p.34).  
To turn the power off, see "Turning the Power Off" (p.47).

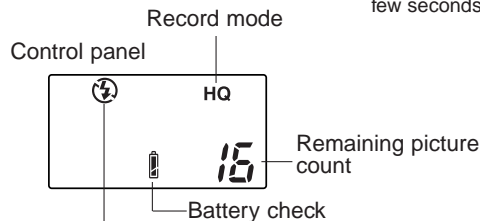
## Turning the Power On

Slide the lens barrier open.



### 1 Slide the lens barrier open until it clicks.

- This turns the power on in shooting mode and extends the lens.
- The information in the diagram on the left appears on the control panel.
- To turn off the power, see "Turning the Power Off" (p.47).
- The battery check level goes off automatically after about a few seconds.



If the flash closed, the  mark goes on.

### Standby mode

If the camera is left untouched for three minutes it automatically switches to standby mode and the control panel goes off. You may reactivate it to full power in any one of the following ways:

- Gently press the shutter release button or zoom lever.
- Close the lens barrier (p.47), then reopen it.

The camera will turn off completely after about four hours of being not used. Close then reopen the lens barrier to turn the camera back on. When using new batteries, it may take longer for the camera to shut down automatically depending on the type of batteries being used.

### CAUTION

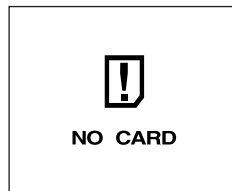
- Never open the card compartment cover, remove the card or batteries, or disconnect the AC adapter while the camera is in operation as this could result in damage to the data stored on the card.

## Checking the Control Panel

### Is the SmartMedia card inserted?

If you forget to insert the card, or if there is any other problem with the card, the monitor will automatically light up and display a message. Read the message and correct the problem.

Monitor



### When the "NO CARD" error message is displayed:

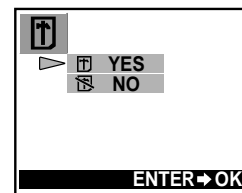
- The card may not be inserted properly.
- Turn the power off (p.47). Then remove and re-insert the card.

### For other error messages:

- Follow the directions on the monitor. For details, see "Error Codes" (p.136).

### When the card setup screen is displayed:

- You have inserted a card which needs to be formatted. For details, see "To Initialize a Card" (p.111~112).



## Checking the Batteries

When the power is turned on with the camera in shooting mode on (with the lens barrier open), the approximate remaining battery power is displayed on the control panel.



**lights and turns off automatically.**

Batteries are OK. You can shoot.



**blinks and other indicators on the control panel are displayed normally.**

Battery power is low and batteries should be replaced.



**blinks and goes off after about 10 seconds, and other indicators on the control panel go out.**

Batteries are dead and should be replaced immediately.

### NOTE

- Keep spare batteries on hand when using the camera for long periods of time, when traveling, in cold weather or for important occasions.
- NiMH batteries have a shorter life than lithium batteries.
- When using NiMH batteries, the low battery warning appears early.

### CAUTION

- When the camera power is on, the camera may beep continuously immediately after the power has been turned on or after taking a picture. The frame number on the control panel may blink. This indicates that battery power is low. The camera will not work properly and the batteries should be replaced.

## Does the Card Have Enough Room for More Pictures?

When the power is turned on with the camera in shooting mode (with the lens barrier open), the control panel displays a remaining picture count.

Control panel



Remaining picture count

- If the count drops to 0, the camera beeps, the green lamp blinks and the monitor displays the message "CARD FULL". This will repeat every time the power is turned on (p.136).
- The number of storable pictures varies depending on the record mode.

### Approximate storable still pictures

SmartMedia capacity	Record mode	SQ		HQ	SHQ	
	Resolution	640×480		1600×1200		
		SQ	SQ- HIGH	HQ	SHQ	SHQ-TIFF
2MB		20	7	3	1	0
4MB		40	16	7	2	0
8MB		82	32	16	5	1
16MB		165	66	31	11	2
32MB		331	132	64	22	5
64MB		665	266	128	45	11

### Approximate maximum movie lengths, in seconds

Record mode	Resolution	SmartMedia capacity					
		2MB	4MB	8MB	16MB	32MB	64MB
HQ	320×240	5	11	23	48	96	193
SQ	160×120	25	51	104	211	424	851

\* A limited number of seconds can be shot at one time.

### CAUTION

- The number of storable stills and the movie length may vary depending on the data volume required for the subject being photographed.
- In some cases the number of storable pictures counter may not decrease every time a picture is taken, nor increase when a frame is erased.
- When the number of storable pictures exceeds 999, all items on the control panel will display "999", but more accurate numbers will be displayed on the monitor.

# Holding the Camera

## Proper camera technique

Hold the camera firmly with both hands, keeping your elbows at your sides.

When holding the camera vertically, make sure the flash is on top.

Horizontal grip



Vertical grip



Incorrect!



Keep your fingers and the strap away from the lens and flash.

## NOTE

- Do not subject the lens to physical shocks.

# Shooting Technique Depends on Distance to the Subject

Deciding whether to use the viewfinder or the monitor display to set up a shot depends on the distance between you and your subject.

Determine the approximate distance before taking the photo.

## For snapshots and long-range photography (from approx. 59" to ∞):

We recommend using the viewfinder (p.40).

## For close-ups (from 31" to approx. 59"):

Although you can use the viewfinder to take pictures, in some cases it is better to use the monitor (p.42). See below for details.

## For extreme close-ups (8" ~ 31"):

We recommend using the macro mode (p.68) for taking pictures extremely close-up. Although it is possible to take such shots without using the macro mode, determining proper exposure and focus is much more difficult.

## Characteristics of the viewfinder and the monitor

You can use either the monitor or the viewfinder to determine the proper shooting range. Consider the following when deciding whether to use the viewfinder or the monitor for a particular shot:

### Viewfinder

**Advantage:** You can check the proper subject composition with less camera movement.

**Disadvantage:** Close-up photography causes inconsistencies between the picture frame as seen in the viewfinder and the actual edge of the photo (p.58).

### Monitor

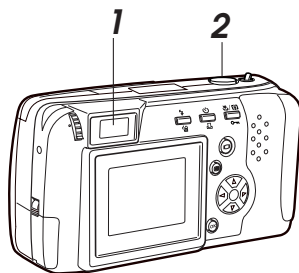
**Advantage:** You can check the subject composition more accurately.

**Disadvantage:** It is more difficult to hold the camera steady, and battery life is decreased.

# Taking Still Photos

## Taking Photos Using the Viewfinder

Half-press



- 1** Compose the photo inside the viewfinder.
- 2** Press the shutter release button halfway down until the green lamp next to the viewfinder lights up (half-press).

- The focus and exposure are automatically set.
- If the green lamp blinks, the camera is out of focus. Take your finger off the shutter release button and half-press it again.

Viewfinder



Autofocus mark



Shutter release button

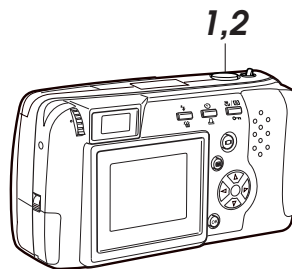


Green lamp

→ Go on to "Taking Pictures" on the following page.

## Taking Pictures

Full-press



- 1** Press the shutter release button all the way down (full-press).

- Press the shutter release button gently. If you press it too hard, the camera will move and blur the shot.
- The shot is taken and the camera beeps.
- The green lamp next to viewfinder blinks for a few moments, and it goes off.

- 2** To take another picture, compose the shot and full-press the shutter release button.

- If you attempt to take a picture before the green lamp goes off, the camera does not beep but you still cannot take the picture. Wait for a few seconds and make sure the green lamp goes off before taking another shot.
- To turn the power off, see "Turning the Power Off" (p.47).

### CAUTION

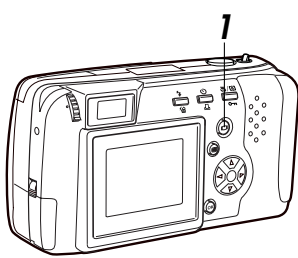
- Never open the card compartment cover, remove the batteries or card, or disconnect the AC adapter while the green lamp and write mark are blinking. This could damage the pictures you have already taken, as well as the one currently being written to the card.

### HELP

- The area of the actual photo will be slightly larger than the shot appears through the viewfinder.
- If the write mark is blinking, this indicates that the image is being processed. You cannot depress the shutter release button while the write mark is blinking.
- If you switch the beep function off (p.98), the camera will not beep after taking a picture. In this case you must watch the green lamp. If the lamp blinks, the picture was taken successfully.

**NOTE**

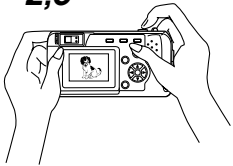
- Depending on the record mode, it takes between 2 and 40 seconds to write the image to the card.
- The time you have to wait and the number of storable pictures varies depending on the record mode.

**Taking Photos Using the Monitor****1 Press the monitor button.**

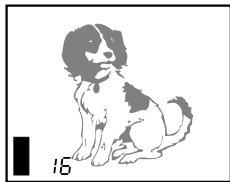
- The monitor goes on.

**2 Compose the shot using the monitor.****3 The procedure for taking photos is the same as when using the viewfinder (p.40~41).**

- The memory gauge is displayed while the write mark is blinking.
- You cannot take a picture while the memory gauge is at "full". The gauge level should drop after a few seconds.

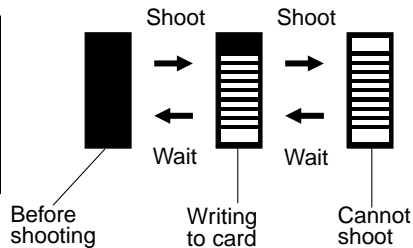
**2,3**

Monitor



Memory gauge

Memory gauge

**HELP**

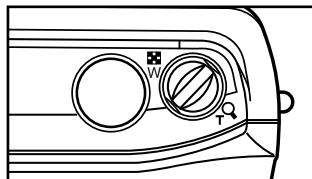
- Taking pictures using the monitor takes more time to write to the card than when using the viewfinder.
- A subject taken at an angle may appear grainy on the monitor, but this will not affect the quality of the actual photo.
- Vertical lines may appear on the monitor when taking pictures in full sunlight or other brightly-lit areas. These lines will not be visible in the actual photo and do not indicate a camera malfunction.
- The picture frame of the actual photo will be slightly larger than it appears on the monitor.

**NOTE**

- Do not push the monitor forcefully.
- The viewfinder is intended to be used to check photo composition. Use the monitor for checking focus and exposure. For best results, transfer image files to a computer to confirm exactly what final pictures will look like (p.54, p.122).

## Enlarging Your Shots (Optical Zoom)

Use telephoto (T) to zoom in on a subject so it appears larger.  
Use wide angle (W) to capture a wider area.



Push the zoom lever toward W (Wide angle) to shoot wide-angle shots.

Pull the zoom lever toward T (Telephoto) to zoom in.

Viewfinder



W  
↓  
T

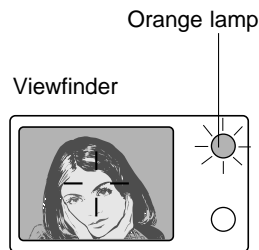


### NOTE

- You can take pictures of up to 7.5x using the digital telephoto mode function (p.69).

## Taking Photos Using the Flash

In low light situations, open the flash in advance.

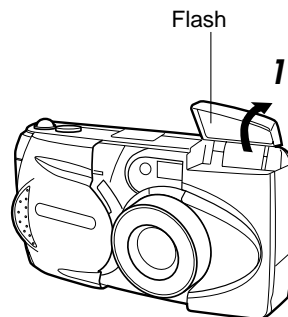


### When the flash is needed

If the shutter release button is half-pressed, the orange lamp next to the viewfinder will blink. In this case you need to use the flash. Open the flash in advance.

### 1 Place your finger on the edge of the flash housing and pull it up.

- If the orange lamp next to the viewfinder lights up when the shutter release button is half-pressed, the flash will go off when the shutter release button is full-pressed.



### Flash working range

The flash working range is adjusted by using the zoom lever.

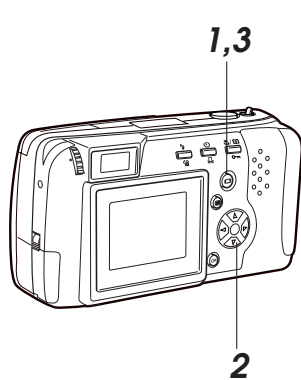
Wide-angle mode: Approx. 8" ~ 13"

Telephoto mode: Approx. 8" ~ 8.5"

Within an approximate range of 8" to 31", the flash will also work in the macro mode (p.68).

## Checking Your Still Photos

You can check any of the photos you have taken.



**1** With the camera in shooting mode (the lens barrier open), quickly press the monitor button twice.

- The camera switches to playback mode and the monitor displays the most recent photo taken.
- If no photos have been recorded on the card, the monitor will show "NO PICTURE."

**2** Check other images recorded by pressing the arrow pad.

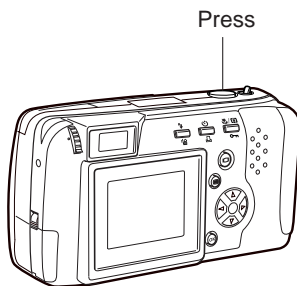
- ◁ : Displays the previous image.
- ▷ : Displays the next image.
- △ : Displays the 10th image back.
- ▽ : Displays the 10th image ahead.

**3** Press the monitor the button.

The camera returns to shooting mode.

### Taking a picture while checking previous images

You can take a photo even while checking previous images on the monitor. To do this, look through the viewfinder and full-press the shutter release button (p.40–41). The image will be recorded immediately.



## Turning the Power Off

- 1** If the flash is open, close it.
- 2** Close the lens barrier halfway (just until it touches the lens).
  - Do not push the lens barrier against the lens.
  - The lens will recess into the camera.
- 3** Wait until the lens fully retracts, then close the lens barrier the rest of the way.
  - The control panel display goes off and the power turns off.

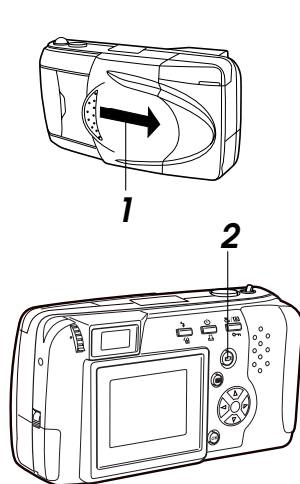
### NOTE

- Stored images will not be lost when the power is turned off or when the batteries are replaced.



# Getting Started

## Turning the Power On in the Playback Mode



**1** Make sure the lens barrier is closed.

**2** Press the monitor button.

- The camera turns on in playback mode and the monitor displays the last image taken.
- "NO PICTURE" is displayed on the monitor if no pictures have been taken. Any problems with the card are indicated on the monitor (p.55).
- The battery check mark blinks when the batteries are running low.

### Standby mode

If the camera is left untouched for three minutes when using the batteries, it automatically turns off. It is strongly recommended, however, that you switch power off promptly when you are finished using the camera.

When using new batteries, it may take longer for the camera to shut down automatically depending on the type of batteries being used.

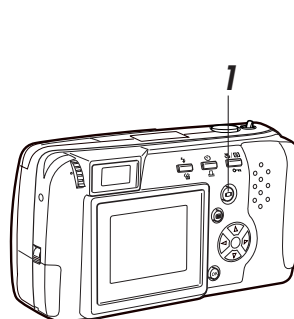
### CAUTION

- Never open the card compartment cover, remove the batteries or card, or disconnect the AC adapter while the camera is in operation as this could result in damage to the data stored on the card.
- Do not press on the monitor as this could leave a mark on the screen, interfere with image display, or even crack the monitor.

### HELP

- After turning the power on, the monitor may flash and display an image after 0.5 to 2 seconds. This is not a malfunction.

## Turning the Power Off in Playback Mode

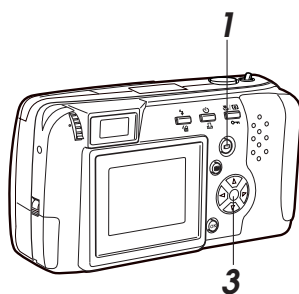


**1** Press the monitor button.

- The monitor display shuts down and the power turns off.

## Displaying Images Frame by Frame

To display one frame at a time on the monitor, follow the same steps as those for displaying still pictures (p.46).

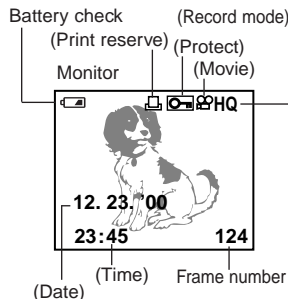


### 1 Press the monitor button with the lens barrier closed.

- The power turns on in playback mode and the monitor displays the last image taken.

### 2 Checking the images.

- Information shown in the lower left diagram is displayed together with the images on the monitor. Information in parentheses may be displayed depending on the setting and type of the image.
- The battery level, record mode marks and others go off automatically after about 3 seconds.

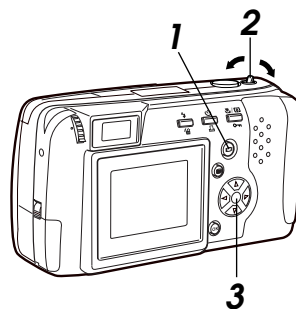


### 3 Check other images recorded by pressing the arrow pad.

- ◀: Displays the previous image.
- ▶: Displays the next image.
- △: Displays the 10th image back.
- ▽: Displays the 10th image ahead.

## Displaying All Frames (Index-Display Setting)

The index-display setting simultaneously displays several images stored on the card. This is useful when searching for a specific photo.



### 1 With the lens barrier closed, push the monitor button.

- The power turns on in playback mode and the monitor displays the most last image taken.

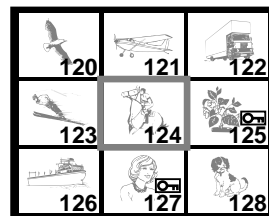
### 2 Push the zoom lever toward W (Wide angle).

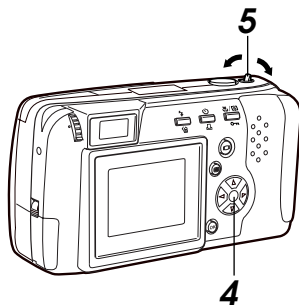
- Several frames are displayed, including the currently-selected picture.
- It may take approximately 2 seconds before the pictures are displayed.
- To select the number of frames to be displayed, see p.113.

### 3 In the index-display setting, press the arrow pad to display the next set of frames.

- △: The monitor displays the previous set of frames starting with the frame immediately preceding the one appearing in the upper left corner.
- ▽: The monitor displays the following set of frames starting with the frame immediately after the one appearing in the lower right corner.

Monitor





**4 Press the arrow pad to select a frame displayed on-screen.**


- ◀: To select the frame to the left.
- ▶: To select the frame to the right.

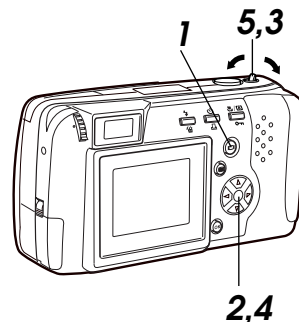
**5 Pull the zoom lever toward Ⓐ (Telephoto).**

- The monitor displays the full-sized version of the selected photo. Pictures may only be displayed one at a time (p.50).
- To display the pictures again in the index-display setting, repeat from step 2.

## Checking the Focus by Enlarging a Selected Picture (Displaying Close-ups)

This function enlarges a selected image.

However, if the image is marked with the movie mark , it cannot be enlarged for display.



**1 With the lens barrier closed, press the monitor button.**

- The camera turns on in playback mode. The monitor displays the last image taken.

**2 Select the picture that you want to display by pressing the arrow pad (p.51~52).**

**3 Pull the zoom lever toward Ⓐ (Telephoto).**

- The selected image enlarges 1.5x.
- Each time you pull the zoom level toward Ⓐ (Telephoto) again, the photo enlarges another 0.5x: to 2x, 2.5x, and 3x.

Monitor



**4 Press the arrow pad in one of the four directions to select the area you want to enlarge.**

- The display frame area moves smoothly in the desired direction.

**5 Push the zoom lever toward Ⓑ (Wide angle).**

- The selected image returns to its original size.
- To display a different picture, return the enlargement scale to the original size.

## Connecting to a Television Set

Connect the camera to a television set with the included video cable to view the picture on a large screen.

- 1** Before connecting, make sure the camera and television power are off, and that the camera lens barrier is closed.
- 2** Connect the video cable by inserting one end into the video output terminal on the camera and the other end into the input terminal on the television.
- 3** Turn on the television, and set to "video input."
  - Refer to your television instructions manual for further information.

### 4 Press the monitor button on the camera.

- Power turns on in playback mode, and the last image taken is displayed on the television screen.

### 5 Select the picture that you want to display by pressing the arrow pad (p.51~52).

#### HELP

- The monitor turns off automatically when the camera is connected to a television.
- Depending on how your television is adjusted, the picture may appear off-center on the television screen.
- Your television may produce a black frame around the picture, which may be undesirable as it also appears if the image is printed using a conventional video printer.
- Refer to your TV/VCR instruction manual for information about displaying video images.
- Images shown on screen can be saved to a videotape.

#### NOTE

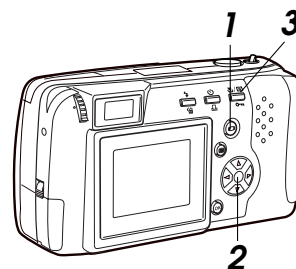
- When performing this function, we recommend you use the AC adapter (sold separately) as the power source for the camera.

## To Avoid Accidentally Erasing Pictures You Want to Keep

### (Photo Protection)

Use the protection feature to safeguard photos you want to keep. Protected pictures will not be erased by One-Frame Erase (p.56) or by All Frames Erase (p.110).

The protection setting remains even after the power is turned off.



### 1 With the lens barrier closed, press the monitor button.

- The camera turns on in playback mode. The monitor displays the last image taken.

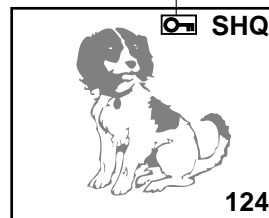
### 2 Select the picture that you want to protect by pressing the arrow pad.

- You may also use the protection feature during one-frame display (p.50) and in the index-display setting (p.51~52).

### 3 Press the protect button.

- Protection is engaged for the selected picture, and the write-protect mark appears in the upper right corner of the picture.

Write-protect mark  
Monitor



### To cancel the photo protection

Press the protect button again as in step 3.

#### CAUTION

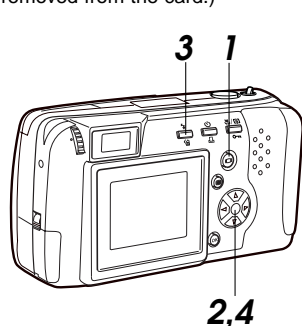
- Protected pictures are erased when the card is reformatted with the card format function.

#### HELP

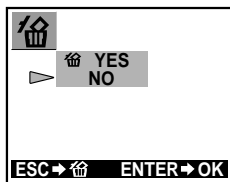
- Protection does not work when a write-protect seal is affixed to the card.

# One-Frame Erase

You may erase unwanted pictures to increase available storage space. One-frame erase cannot be used when a picture is protected, or a write-protect seal is on the card. To erase these pictures, you must cancel the protection feature or remove the write-protect seal from the card. (The write-protect seal may not be reused after it has been removed from the card.)



Monitor



## To erase all pictures

You may also erase all pictures stored on the card at once (p.110).

## CAUTION

- Never open the card compartment cover, eject the card, remove the batteries, or disconnect the AC adapter while erasing pictures. Doing so may destroy the image data on the card.

## HELP

- It may take longer to erase when the "print reserve" function (p.119) has been activated on the card.

### 1 With the lens barrier closed, press the monitor button.

- The camera turns on in playback mode. The most recent frame is displayed on the monitor.

### 2 Select the picture you want to erase by pressing the arrow pad.

- You may also use one-frame erase in either one-frame display (p.50) or in the index-display setting (p.51~52).

### 3 Press the erase button.

- The confirmation screen appears.
- To cancel one-frame erase, press the erase button again.

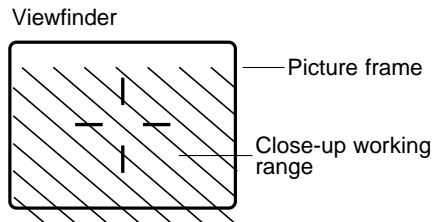
### 4 Select "YES" with the arrow pad, then press the OK button.

- The camera beeps once and erases the picture.

## Points to Remember

### Viewfinder Discrepancies Depending on Distance

The image as seen through the viewfinder does not always match up with the final picture depending on the distance between the subject and the camera.



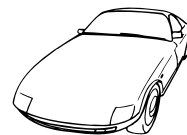
When shooting subjects 59 inches to  $\infty$ , the viewfinder picture frame shows the area that can be shot. However, the picture area will move lower in the viewfinder as you get closer to the subject. Zooming in (pulling the zoom lever towards T) makes this discrepancy even larger. When shooting close-ups, you can determine the exact picture area by viewing the monitor. However, it is more difficult to hold the camera steady using the monitor, which may result in blurry images. The batteries will also drain more quickly.

### Subjects Difficult to Get in Focus

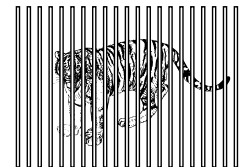
In most cases you need not worry about focusing a shot, as the autofocus feature takes care of most situations. However, focusing is more difficult under conditions 1 to 3 listed on the next page. In such cases, the green lamp next to the viewfinder will blink to indicate the shot is out of focus. Additionally, in conditions 4 and 5, a picture may still be out of focus even though the green lamp lights up to indicate that the subject is focused correctly.

In these situations, first focus your camera on an object that is the same distance from the camera as your subject, then aim back at the subject to take the picture (focus lock: p.60). Alternatively, set the focus on 8ft or  $\infty$  (quick focus: p.61) before taking the shot. When setting up shots that do not contain vertical lines like as shown in 3, first hold the camera vertically and lock the focus on the subject. Then shift the camera back to the horizontal position and take the picture.

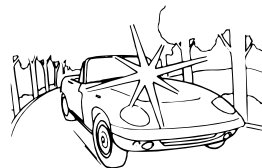
1 Subjects with low contrast



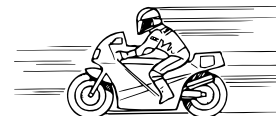
4 Subjects of varying distances



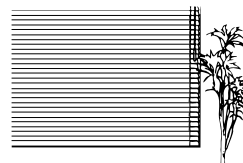
2 Subjects that appear excessively bright in the center



5 Fast-moving subjects



3 Subjects with no vertical lines



# When Not Able to Focus on a Subject While Shooting

## Focus on the Subject in Advance

### Focus Lock

If your main subject is not centered inside the autofocus mark, use the focus lock feature explained below:

Viewfinder



Shutter release button



Half-press

Autofocus mark



Full-press

### 1 Open the lens barrier.

- The camera turns on in shooting mode.

### 2 Look through the viewfinder and position your subject(s) inside the autofocus mark.

### 3 Half-press the shutter release button so the green lamp next to the viewfinder lights up.

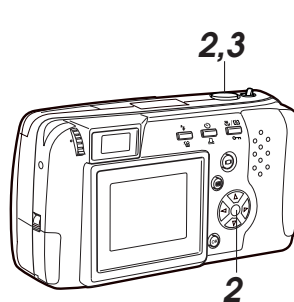
- The subject is now in focus and exposure is set.

### 4 Keep the shutter release button half-pressed while you reposition your subject(s) within the picture frame. Then full-press the shutter release button.

## Using Fixed Focus

### Quick Focus

Use the quick focus when you are not able to get the desired results with autofocus. This feature disables autofocus and lets you set the focus to either "Close" (8ft) or "Distant" ( $\infty$ ).



### 1 Open the lens barrier.

- The camera turns on in shooting mode.

### 2 Half-press the shutter release button while pressing the arrow pad as described below.

- Be sure to keep pressing the arrow pad until the shutter release button is half-pressed.

Set the quick focus button to "Close" (8ft).

→ ▽ button

Set the quick focus button to "Distant" ( $\infty$ ).

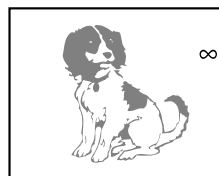
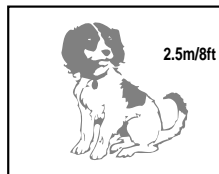
→ ▴ button

The setting will be indicated on the monitor when it is on.

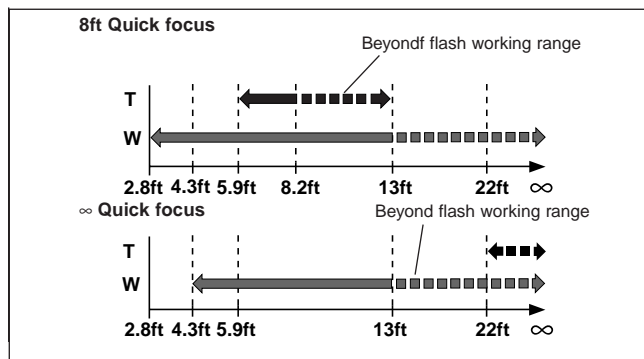
### 3 Full press the shutter release button.

- Quick focus is automatically cancelled after the picture is taken.

Monitor



### Quick focus working range

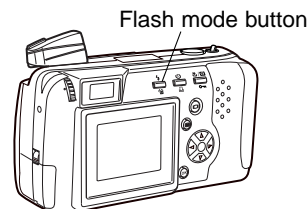


## Using the Flash

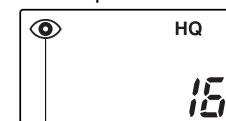
### Switching Between Flash Modes

To use the flash feature, push up the flash housing (located at the upper right corner of the camera) (p.45). Select the appropriate flash mode according to the shooting conditions. Note that the flash will not operate when shooting movie pictures (p.88). Also, the working range of the flash changes when you operate the zoom lever.

When the power is turned on, the camera is automatically set to auto-flash mode. Use the flash mode button to select different flash types.



Control panel



Each time you press the flash mode switching button, the flash mode settings are displayed in order.

Flash mode	Function/purpose:
<b>Auto-flash</b> ↓ (no Mark)	Automatically fires in lowlight and backlight conditions (p.64).
<b>Red-eye reduction</b> ↓ 	Significantly reduces the red-eye phenomenon (i.e. when the flash causes a subject's eyes to appear red in the photo) (p.65).
<b>Fill-in flash</b> ↓ 	Fires regardless of available light (p.65).
<b>Slow sync</b> ↓ 	Taking photographs of night views (p.66).
<b>Red-eye reduction + Slow sync</b> 	Taking photographs of people at night (p.66).



**The flash function will automatically return to auto-flash mode when the power is turned off.**

To maintain a current mode setting even after the power is turned off, go to the shooting menu and change the settings to HOLD (p.99).

### HELP

- While the orange lamp next to the optical viewfinder is blinking, the flash is being recharged. Remove your finger from the shutter release button and wait until the orange lamp goes off before taking the next picture.
- When using the flash in the macro mode (p.68), a portion of the picture may be cropped, or the contrast may be too extreme. After shooting, always check the picture on the monitor.
- The flash cannot be used in sequence mode (p.86) or in panorama assembly mode (p.91).

## Auto-Flash

In auto-flash mode, the flash will automatically fire in lowlight and backlit conditions.

### Viewfinder



Backlighting correction mark

To fire the flash in a backlit shot, position the subject inside the backlighting correction mark.

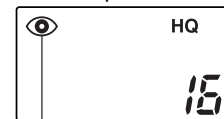
## Red-eye Reduction



When shooting people, eyes may appear red. Use the red-eye reduction flash mode to compensate for this phenomenon.



Control panel



Red-eye reduction flash mark

In the red-eye reduction flash mode, the camera will emit a series of rapid pre-flashes before the actual flash fires. This makes the subject's pupils contract, significantly reducing the red-eye effect. Be sure to hold the camera firmly until the shutter releases, which takes approximately one second.

### Red-eye reduction performance may be limited when:

- The subject is not looking directly at the flash.
- The subject does not watch the pre-flashes.
- The subject is too far from the camera.
- The subject's eyes do not respond to the pre-flashes due to individual characteristics.

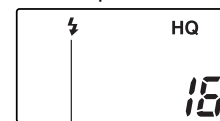
## Fill-in Flash



Forces the flash to fire on every shot.



Control panel



Fill-in flash mark

Using the fill-in flash mode, the flash fires regardless of available light. This feature can be used to light up a subject's face, when shaded by a tree for example, or to correct uneven lighting conditions caused by backlighting, fluorescent lighting, etc. This mode may not have the desired effect in excessively bright light.

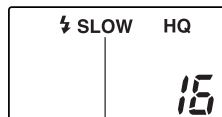
## Slow Sync

⚡ SLOW

For taking pictures at night, especially night views.



Control panel



Slow sync flash mark

In this mode, the flash will fire automatically when the photo is taken. The shutter will stay open for 1/2 second. This setting is most appropriate for night view photography. The use of a tripod is recommended to prevent blurriness caused by camera movement.

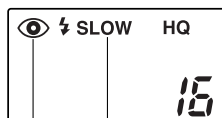
## Red-eye Reduction + Slow Sync

👁 ⚡ SLOW

The combination of these two modes works best for taking pictures of people at night.



Control panel



Slow sync flash mark

Red-eye reduction flash mark

The red-eye reduction flash (p.65) and slow sync flash (p.66) both operate at the same time. The shutter speed automatically slows down to 1/2 second in low-light conditions. The use of a tripod is recommended to prevent blurriness caused by camera movement.

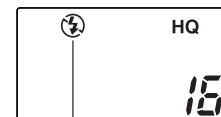
## Off (Flash Override)

🔇

When you do not want the flash to fire even in the dark, close the flash.



Control panel



Off flash mark

Use this mode in situations where flash photography is prohibited, such as art museums and live stage performances, or when taking pictures in twilight or of night scenes.

The shutter speed automatically slows down to 1/2 second in low-light situations. The use of a tripod is recommended to prevent blurriness caused by camera movement.

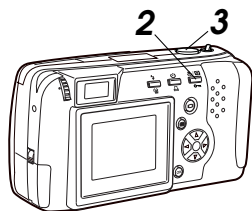
## Taking Close-up Pictures (Macro Mode)

When using macro, you should maintain a distance of 8 to 31 inches from the subject. While it is possible to take macro photos from any distance, shots taken at less than 8 inches or farther than 31 inches are likely to be out of focus or poorly exposed.

### Minimum distance: approximately 8 inches

**Telephoto:** If you wish to further enlarge the image, push the zoom lever toward T (telephoto).  
Monitor is filled by a 3" × 2" subject.

**Wide-angle:** If you wish to make the image smaller, push the zoom lever toward W (wide).  
Monitor is filled by a 6" × 8" subject.



#### 1 Open the lens barrier.

- The camera turns on in shooting mode.

#### 2 Press the macro/digital telephoto button.

- The monitor turns on and the macro mark is displayed.
- The macro mark is also displayed on the control panel.

#### 3 Aim the camera at your subject and full-press the shutter release button.

### To cancel the macro mode

Turning the power off or switching to digital telephoto mode will turn the macro mode off (p.69).

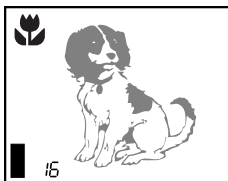
### HELP

- Dark shadows may appear when using the flash.

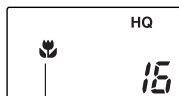
### NOTE

- In macro mode, the picture area will not be entirely visible within the frame of the viewfinder. Using the monitor as a viewfinder is recommended (p.58).

Monitor



Control panel

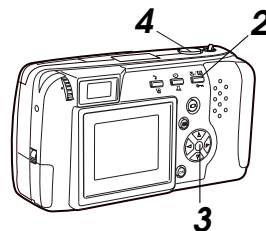


Macro mark

## Enlarging the Subject (Digital Telephoto Mode)

Using the digital telephoto mode, its subject can be enlarged to 1.6x, 2x and 2.5x its original size. The subject can also be enlarged approximately 4.8x, 6x and 7.5x using the optical zoom (p.44).

If you take the picture with the camera set for Digital Telephoto Mode, the picture quality will become grainy.



#### 1 Open the lens barrier.

- The camera turns on in shooting mode.

#### 2 Press the macro/digital telephoto button twice.

- The monitor turns on and the digital mark is displayed.

#### 3 Press $\Delta$ $\nabla$ on the arrow pad to select the desired magnification size.

- 1.0x (initial value)  $\Delta$  button  
1.6x  
2.0x  
2.5x  $\nabla$  button

#### 4 Aim the camera at your subject and full-press the shutter release button.

- The use of a tripod is recommended to prevent blurriness caused by camera movement.

Digital mark

Monitor



Magnification size

### To cancel the digital telephoto mode

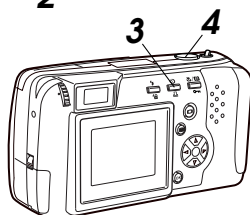
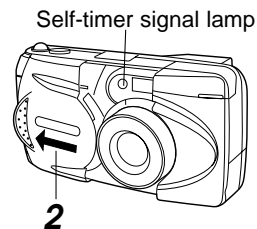
Turn off the monitor, or press the macro/digital telephoto button again. This turns the digital telephoto mode off and returns the size to 1.0x. The scale remains normal for the optical zoom.

### NOTE

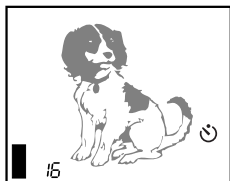
- Cannot be used with SHQ-TIFF selected for quality. Select any record mode other than SHQ-TIFF and take the pictures (p.80).

# Self-Timer

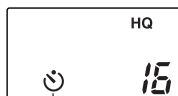
For when the photographer wants to be in the picture.  
Using a tripod is highly recommended.



Monitor



Control panel



Self-timer mark

**1 Secure the camera on the tripod.**

**2 Open the lens barrier.**

- The camera turns on in shooting mode.

**3 Press the self-timer button.**

- The self-timer mark will be displayed on the control panel.
- If the monitor is on, the self-timer mark will also appear on the monitor.

**4 Set up your shot, then full-press the shutter release button.**

- The self-timer signal lamp lights up for ten seconds, then blinks for two seconds before the photo is taken.
- The self-timer automatically goes off after the photo is taken.

## To cancel the self-timer

To turn the self-timer off after it has been turned on as in step 3, press the self-timer button again. The self-timer may be turned off even after the signal lamp has already gone on.

# Functions of the Shooting Menu

The shooting menu allows you to adjust shooting conditions, change the record mode, vary the number of storable pictures etc. You also need to display the shooting menu to shoot movie pictures.

For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item	Purpose	Page
→Exposure compensation ↓	Adjusting image brightness compensation.	76
Spot metering mode ↓	Shooting based on the brightness at the center of the photo, rather than overall image brightness.	78
Record mode selection ↓	Selecting picture size and image resolution, as well as increasing or decreasing the number of storable pictures.	80
White balance ↓	Canceling automatic color balance adjustment, and adjusting the setting to suit daylight, overcast, incandescent or fluorescent lighting conditions.	82
ISO ↓	By setting the ISO sensitivity, you can adjust the camera's sensitivity to light.	84
Drive ↓	Shooting a sequence of up to 45 still pictures.	86
Function shooting ↓	Shooting movie pictures at 15 frames per second.	88
Shooting movie pictures ↓	Shooting panorama shots. Also for using Special Function SmartMedia cards (sold separately).	91
Card functions ↓		
Sharpness ↓	Softening the edges of a subject.	94
File number ↓	Selecting how files are named.	96
Beep sound ↓	Setting the camera warning beep sound on or off.	98
Settings	Retaining settings in memory even after the power is turned off. (Works with settings marked with △ only).	99

## Settings after power is turned off

Certain settings selected on the shooting menu remain in memory even after the power is turned off, while others automatically return to the default settings.

The chart below shows the available settings from this menu:

Item	Settings	Memory
Exposure compensation	+2.0 +1.5 +1.0 +0.5 (0) -0.5 -1.0 -1.5 -2.0	△
Spot metering mode	( ) ( )	△
Record mode selection	SHQ-TIFF SHQ (HQ) SQ-HIGH SQ	○
White balance	(AUTO)	○
ISO	(AUTO) 100 200 400	△
Drive	(SINGLE) SEQUENCE	—
Sharpness	(NORMAL) SOFT	△
File number	(AUTO FILE) NAME RESET	○
Beep sound	(ON) OFF	○
Settings	(RESET) HOLD	○

\*The initial setting is indicated in parentheses.

The icons in the “Memory” box are designated as follows:

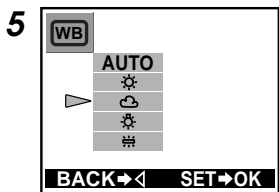
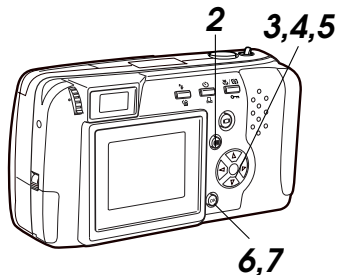
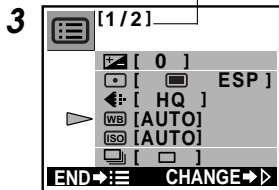
- The setting remains until it is changed.
- △ The setting remains in the camera memory only when setting in the shooting menu is set to HOLD. Removing the batteries, however, will cause the setting to return to the default.
- The setting returns to the default when the power is turned off.

## CAUTION

- If the batteries are removed and left out of the camera, or if the batteries run down, the settings will return to their defaults.

# Using the Shooting Menu

This is the first of two pages



**1 Slide the lens barrier open until it clicks.**

- This turns power on in shooting mode.

**2 Press the Menu button.**

- The shooting menu will be displayed on the monitor. At this point, you are able to check the current settings. Settings are displayed within the brackets on the right side of the menu item name.

**3 Press the arrow pad  $\Delta$  or  $\nabla$  to select [menu item].**

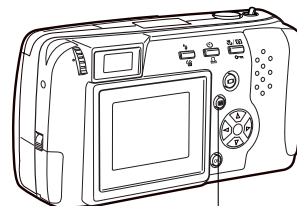
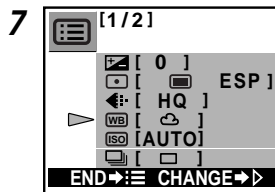
- (In the example in the diagram on the left figure, [menu item] will be white balance.)
- The selected menu item turns green.

**4 Press the arrow pad  $\triangleright$ .**

- The setting details of the selected item will be displayed.

**5 Press the arrow pad  $\Delta$  or  $\nabla$  to select [menu item].**

- In the example in the left figure, [setting] will be the overcast mark. The selected setting turns green.



Menu button

**6 Press the OK button.**

- The setting will be changed and the initial screen of the menu is displayed.

**7 Press the OK button after checking to see if the setting has been changed.**

- The setting will remain and the menu turns off.

**To cancel a setting change**  
Press the Menu button instead of the OK button in step 6.

**Temporarily changing a setting to shoot pictures**  
To change the setting temporarily while shooting, follow the procedure below.

**1 Follow steps 1 through 5.**

**2 Take the picture with the setting displayed in the menu.**

- The picture is taken with the setting currently selected in the menu.

**3 Press the Menu button.**

- The changed setting returns to the default setting and the shooting menu turns off.

**Some settings return to the default when the power is turned off.**

Depending on the selected item, some will return to the default and others will be saved in the current setting.

# Correcting Image Brightness

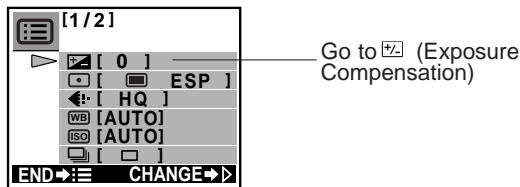
## (Exposure Compensation)

In addition to automatic exposure, you can also adjust it manually by  $\pm 2$  (approx. 1/3 stops). Adjust + to increase the exposure, and – to decrease the exposure. Confirm the settings by turning on the monitor.

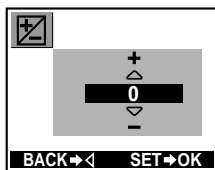
For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item to select in the shooting menu:

Monitor



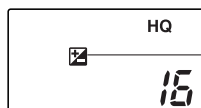
Settings:



+2.0 : The area surrounding of the subject is brightly  
+1.5  
+1.0  
+0.5  
±0 : The preset value when the power is turned on  
±0  
-0.5  
-1.0  
-1.5  
-2.0 : The area surrounding of the subject is dimly



Control panel



Switching from 0 makes the exposure compensation mark appear.

**Settings return to the default when the power is turned off.**

When the power is turned off, exposure compensation returns to  $\pm 0$ .

To hold a setting in the camera memory after turning off the power, go to the settings in the shooting menu and select HOLD (p.99).

## HELP

- When you change the setting, the brightness of the view on the monitor will also change. In some cases you may find that the monitor image becomes difficult to read. After taking the image, you may want to replay it and check the results.
- The exposure compensation function may have limited performance when shooting with the flash.
- If the area around the subject is way too bright or way too dark, it will not be fully corrected by exposure compensation.

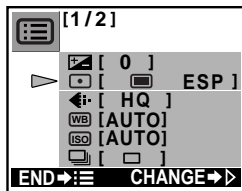
# Spot Metering

## (Placing Priority on Screen Center Brightness)

If a shot is backlit, ordinary photometric settings (digital ESP metering) will make the subject appear too dark. To compensate for this, switch the camera over to the spot metering mode in the shooting menu. This feature is used to obtain the right exposure regardless of backlighting.

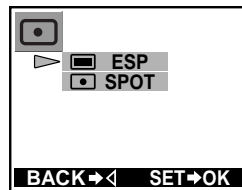
For details about how to use the menu, see “Using the Shooting menu” (p.74).

Item to select in the shooting menu:



Go to [Spot Metering]

Settings:



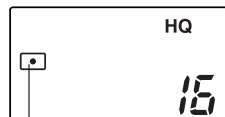
### ESP (Digital ESP metering):

This is the default setting when the power is turned on. Exposure will be calculated based on an average of the light available in the image area. However, the calculation will be biased to the center of the image area.

### SPOT (Spot metering):

Adjust the light metering at the center of the composition only. The center will yield the best exposure results in this mode.

Control panel



Switching to spot metering makes the spot metering mark appear.

## Shooting in the spot metering mode

Viewfinder



- 1 Look through the viewfinder and position your subject in the center of the autofocus mark.
- 2 Half-press the shutter release button so the green lamp next to the viewfinder lights up.
  - This sets both the focus and the exposure.
- 3 If you would like to make any changes within the composition, keep the shutter release button half-pressed. When satisfied, full-press the shutter release button to take the photo.

### Settings return to the default when the power is turned off.

When the power is turned off the camera will return to the ESP mode.

To retain the setting even when power is turned off, go to the settings in the shooting menu and select HOLD (p.99).

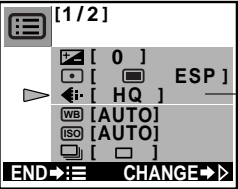


# Photo Preferences: Picture Quality vs. Picture Quantity (Record Mode)

This camera has five different record modes. Choosing higher resolution will produce higher quality files that can be printed or output at larger sizes, but the card can store relatively few of these photos. Forfeiting a certain degree of picture resolution will allow you to fit many more shots on a card (p.37). Select your resolution mode based on the purpose of the photo. Record mode settings will remain in the camera memory even after the power is turned off.

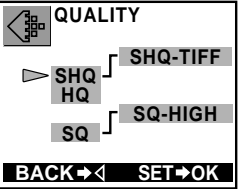
For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item to select in the shooting menu:



Go to (Record mode)

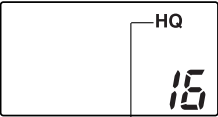
Settings:



Settings	Resolution	Compression
SHQ-TIFF	High	None
SHQ	↑	Low
HQ		High
SQ-HIGH	↓	Low
SQ	Low	High

\* The higher the resolution, the longer the recording time (time the green light is illuminated) and the longer it takes to play back the picture. Also, the higher the resolution, the fewer the number of pictures that can be stored.  
The “SHQ-TIFF” mode is very slow and can store relatively few pictures.  
\* The initial setting is set to “HQ”.

Control panel



Record mode is displayed

\* In SHQ-TIFF mode, “SHQ” blinks.  
In SQ mode, “SQ” blinks.

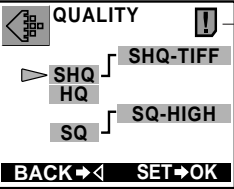
## Record mode and image size

In high resolution the image is enlarged and will also appear larger on a computer screen.

Record mode	Size (Number of recorded pixels)
HQ/ SHQ/ SHQ-TIFF	1600 × 1200
SQ/SQ-HIGH	640 × 480

## High quality restrictions

Selecting a high resolution setting increases the amount of time you must wait after taking a shot (the green lamp continues to blink longer), increases the length of playback time, and reduces the number of pictures that you can store on a card. The number of pictures you can store on a card is significantly reduced if you select SHQ-TIFF. Selecting a higher quality setting increases the amount of time required to store each image on a card (the card access lamp blinks longer). To prevent losing the image, never open the card cover, remove the card, remove the batteries, or disconnect the AC adapter while the write mark is blinking.  
If you select a high resolution setting with insufficient storage space on the memory card, you will see the card warning mark in the upper right corner of the monitor and you will not be able to store more images on the card. Select another recording mode.



Card warning mark

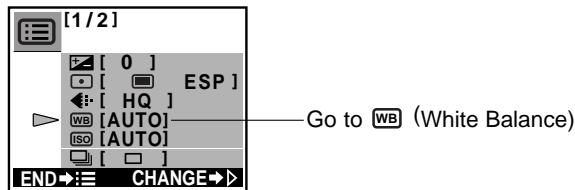
# White Balance (Adjusting the Tone)

This camera uses auto white balance to shoot the subject in a natural-looking tone.

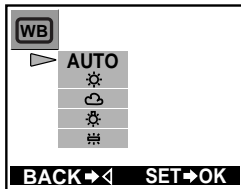
However, it may sometimes be difficult to get satisfactory results automatically due to lighting or weather conditions. In such cases, change the white balance settings.

For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item to select in the shooting menu:



Settings:

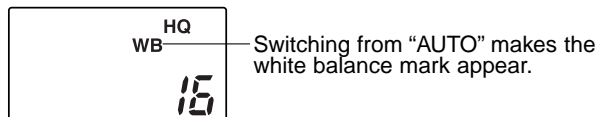


AUTO	This is the default setting when the power is turned on. (You should leave this as your default setting.)
	Shooting outside in full daylight (sunny weather)
	Shooting outside in overcast daylight (cloudy weather)
	Shooting under tungsten lighting
	Shooting under fluorescent lighting

\* The default settings may be inappropriate under special lighting conditions.

\* To determine if the selected setting is the best choice, always check the recorded image by playing it back on the monitor.

Control panel



Settings return to the default when the power is turned off. When the power is turned off the camera will return to the “AUTO” mode.

To retain the setting even when power is turned off, go to settings in the shooting menu and select HOLD (p.99).

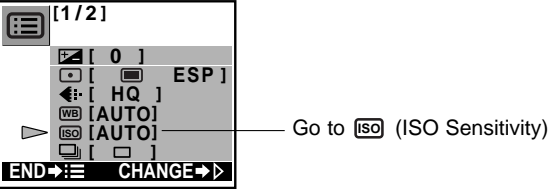
# ISO Light Sensitivity Level

## (Setting ISO Sensitivity)

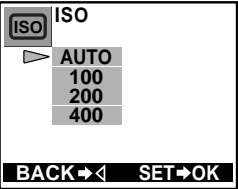
This camera can automatically determine the ISO sensitivity level based on the brightness of the subject. However, for certain kinds of pictures it is better to set the ISO sensitivity level manually.

For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item to select in the shooting menu:

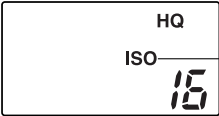


### Settings:



AUTO	This is the default setting when the power is turned on.
100	<b>Low sensitivity:</b> The level can produce beautiful pictures, but fast-moving subject can be blurry. There is also an increased possibility of blurring due to camera movement.
200	<b>Medium sensitivity:</b> Choose this when you need something between 100 and 400 ISO.
400	<b>High sensitivity:</b> This setting is ideal for fast-moving subjects and low light conditions, but the resulting images will be grainier.

Control panel



Switching from “AUTO” makes the ISO sensitivity level setting mark appear.

**Settings return to the default when the power is turned off.**  
When the power is turned off, the camera will return to the “AUTO” mode.  
To retain the setting even when the power is turned off, go to the settings in the shooting menu and select HOLD (p.99).

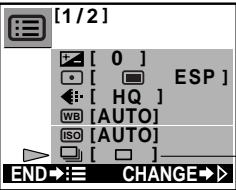
\* This ISO sensitivity scale is based on conventional camera film speeds, and therefore the values are for reference only.  
\* Raising the ISO sensitivity by selecting a higher ISO value, lowers the picture quality.  
\* To determine if the selected setting is the best choice, always check the recorded image by playing it back on the monitor.  
\* When setting the ISO level to low, use a tripod and the self-timer to avoid blurriness due to excess movement of the camera (p.70).

# Taking Sequential Shots (Drive)

In sequence mode, the camera will continue to take a series of still shots of up to 45 pictures as long as the shutter release button is being pressed. Within the sequence series, there will surely be some shots that are just right. This mode is designed for fast-moving subjects.

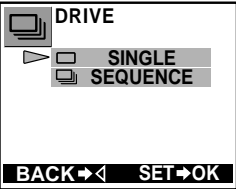
For details about how to use the menu, see “Using the Shooting Menu” (p.74).

Item to select in the shooting menu:



Go to (Drive)

Settings:



SINGLE	Shoots single pictures, one at a time. (This is the default setting when the power is turned on).
SEQUENCE	Takes a sequence of up to forty-five pictures.

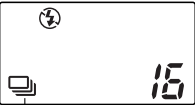
\* The number of sequential pictures that can be taken varies depending on the record mode and the number of storable pictures on the card.

- The flash cannot be used in this mode.
- The shutter speed is limited to a maximum slowest speed of 1/30th of a second. In this case, dark subjects may appear darker than normal.
- After taking the picture, storing the picture will take a few moments (the write mark will blink).



Up to forty-five pictures

Control panel



Switching to “SEQUENCE” makes the sequence mark appear.

**Settings return to the default when the power is turned off.**

When the power is turned off, the camera will return to the “SINGLE” setting.

**Record mode for sequential shooting**

Setting to “SEQUENCE” may change the record mode. When the record mode is SHQ-TIFF or SHQ, switching to “SEQUENCE” automatically changes the record mode to HQ. The record mode will revert to the previous setting when the camera is switched back to “SINGLE”.

However, when the record mode is deliberately changed, the selected record mode will remain even after switching back to “SINGLE” shooting.

**CAUTION**

- To prevent losing the image, never open the card compartment cover, remove the card, remove the batteries, or disconnect the AC adapter while the write mark is blinking.

# Taking Movie Pictures

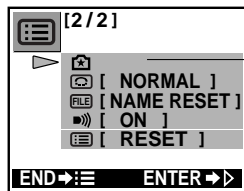
## (Shooting Movies)

In addition to still pictures, this camera has the capacity to take movie pictures (15 frames/second). Take advantage of this feature to capture your subjects in motion.

For details about how to use the menu, see “Using the Shooting Menu” (p.74).

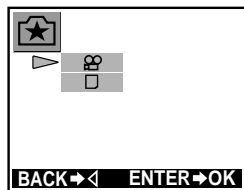
### Item to select in the shooting menu:

“Shooting movies” is a setting in “Function Shooting”.



Go to [Function Shooting]

### Settings:

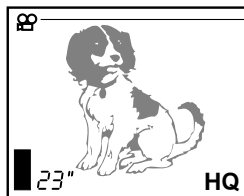


Allows you to take movie pictures.



(This is a separate function.  
For details, see p.91.)

### Monitor



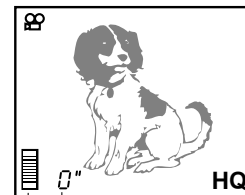
The movie mark is displayed

If you switch off the monitor, the camera returns to the still picture mode and you cannot shoot movie pictures. Do not press the monitor button.

### How to take movie pictures:

#### Monitor

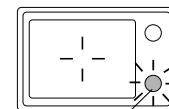
(When the movie shooting automatically stops)



Remaining second count

Memory gauge

#### Viewfinder



Green lamp

#### Remaining second count

- This is the remaining shooting time on the card. When it reaches to 0, shooting automatically stops.

### 3 Full-press the shutter release button again.

- When shooting stops, the green lamp next to the viewfinder blinks to indicate the images are being written to the card.

### 4 After the green lamp goes off, continue shooting by repeating steps 2 and 3.

### 5 Press the menu button.

- Returns to the shooting menu.

You can check a movie picture you have shot by playing it back on the monitor (p.104).

### 1 Decide on the composition by viewing the monitor or viewfinder.

### 2 Full-press the shutter release button to start shooting, and then release the button.

- The camera starts shooting when the button is pressed. The memory gauge and remaining second count appear; the gauge begins to rise and the count begins to fall.
- Release the button carefully, while continuing to shoot.

#### Memory gauge

- The gauge level rises as you continue to shoot. If you continue shooting for the maximum continuous movie length (see chart on the next page), the level reaches the top and the camera stops shooting.

**Movie picture record mode**

For movie pictures, there are two modes with different image sizes and resolutions.

Movie picture record modes are set with the still picture record mode settings. To change them, first cancel "Shooting movies" and enter the still picture record mode to set the desired resolution (p.80).

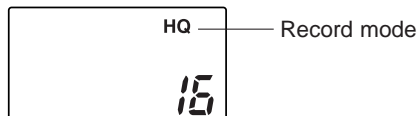


Image quality	Record Mode	Size (no. of recorded pixels)	Continuous Movie length
SHQ-TIFF	HQ	320×240	approx. 15 sec.
SHQ			
HQ			
SQ-HIGH	SQ	160×120	approx. 60 sec.
SQ			

\*The total length of movies that can be stored on a card varies according to the still-image recording mode, as shown in the chart on page 37.

**Shooting hints**

Start shooting a few moments before the action starts, and stop shooting a few moments after it ends. This will ensure that you don't miss any of the action at the beginning or end of the scene. After you finish shooting you can go back and trim off the extra frames at the beginning and end (see p.108).

**Settings return to the default when the power is turned off.**

When the power is turned off, the camera will return to the "Still Picture" mode.

**HELP**

- Movie picture quality may be grainier than still shots.
- The scope of the shot may actually be slightly narrower than it appears in the initial composition.
- A strip of light may appear at the top and bottom of the monitor. This does not indicate a malfunction.
- You can adjust the zoom while shooting but zooming will be slower.
- To prevent losing the image, never open the card compartment cover, remove the card, remove the batteries, or disconnect the AC adapter while the write mark is blinking.

## Creating Panoramic Pictures (Card Function)

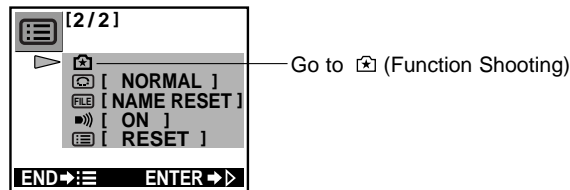
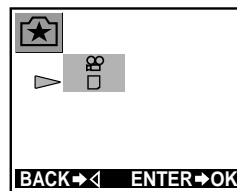
Using standard Olympus SmartMedia cards also allows you to shoot panoramic shots easily. This function is not available with other brands of cards.


With multiple images in which the edges of the subject can be overlapped, it is possible to use CAMEDIA Master 2.0 utility software to combine the images into a single panoramic shot. The panorama assembly function works only with Olympus-brand standard cards.


**For details about how to use the menu, see "Using the Shooting Menu" (p.74).**

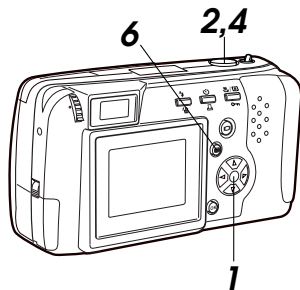
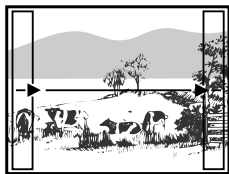
**Item to select in the shooting menu:**

"Card Function" is a setting in "Function Shooting."

**Settings:**

 :  
(This is a separate function.  
For details, see p.88.)

 :  
The card function (panorama  
assembly) is used.



### 1 Designate the appropriate direction in which to link the photos using the arrow pad.

- ▷ : Connects the next image to the right.
- ◁ : Connects the next image to the left.
- △ : Connects the next image to the top.
- ▽ : Connects the next image to the bottom.
- The monitor arrow will change in the direction of the arrow pad.

### 2 Take the shot.

- Note the composition.

### 3 Shift the camera position so the right edge of the shot you just took overlaps at the left of the frame you are about to take (for connecting to the right).

- See diagram on the next page to the right.

### 4 Take the shot.

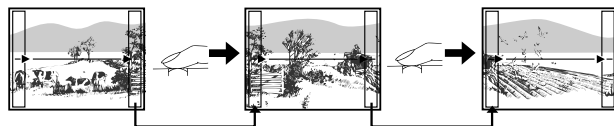
### 5 Repeat steps 3 and 4 as needed.

### 6 Press the menu button.

- The camera will return to shooting mode.

### 7 Images can be joined together using the software utility, CAMEDIA MASTER 2.0.

- Panorama assembly cannot be performed with the camera alone.



Overlap the left edge of the picture with the right edge of the previous picture (when shooting to the right).

### Settings return to the default when the power is turned off.

Even if the power is turned off while using a card function, the camera will return to the shooting mode when the power is turned on again.

### NOTE

- The focus, exposure and white balance are set with the first picture. Avoid direct sunlight or other extreme conditions when shooting the first picture.
- In step 3 on the page to the left, adjust the camera paying special attention to the angle. If the edge of the previously shot subject does not overlap at the edge of the picture you are about to shoot, panorama shots will not be assembled properly.
- Using HQ/SHQ modes to shoot a large number of panoramic shots can cause insufficient memory problems when assembling the shots on a computer. For this reason, we recommend shooting panoramic pictures in the SQ mode.
- The flash cannot be used in the panorama mode.
- Even if panoramic shots are taken in the SHQ-TIFF mode, they will be recorded in the SHQ mode.

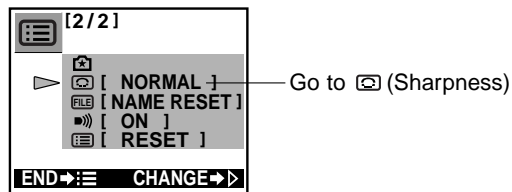
# Sharpness

## (Avoiding Sharp Silhouettes)

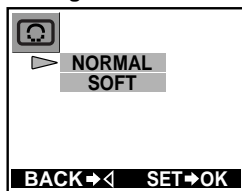
Under ordinary shooting conditions, the subject's silhouette will be shot in a sharp, clearly-defined manner. Ordinarily, this is fine. However, when processing images on a computer, there may be times when a sharp silhouette on an image is not desirable. In such cases, change the sharpness setting to "SOFT".

For details about how to use the menu, see "Using the Shooting Menu" (p.74).

Item to select in the shooting menu:



Settings:



### NORMAL:

For printing and general use.  
This is the default setting when the power is turned on.

### SOFT:

For images to be processed on a computer.

Control panel



Switching to "SOFT" makes the sharpness mark appear.

**Settings return to the default when the power is turned off.**

When the power is turned off, the sharpness setting returns to "NORMAL".

To retain the setting even after the power is turned off, go to settings in the shooting menu and select HOLD (p.99).



# Changing How File Names are Assigned (File Naming)

How files are put into memory can be selected. When left on "AUTO FILE" there will be no file name duplication for images processed on a computer.

This setting remains in memory even after the power is turned off.

For details about how to use the menu, see "Using the Shooting Menu" (p.74).

## File names and folder names

Image files and folders are named with letters and numbers as follows. The camera automatically assigns file and folder numbers.

DCIM ← Card folder

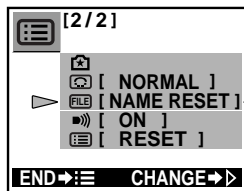
└ \*\*\* OLYMP ← Subfolder

└ └ Pmdd\*\*\*\*.jpg ← File

Folder No. (100~999)      Month; Day(01~31)      File No.(0001~9999)

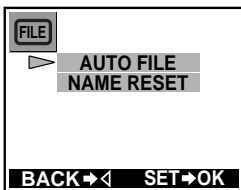
- In the file names, for the month, the first nine months of the year (January to September) are represented numerically with as 1 to 9. Then October is called A, November is B and December is C.

## Item to select in the shooting menu:



Go to [FILE] (File Name Memory)

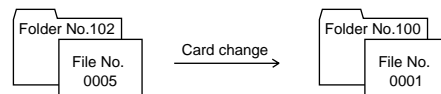
## Settings:



## NAME RESET (Initial setting)

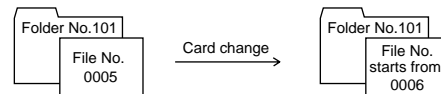
When the card is switched, folder and file numbers restart from default setting.

Example:



## AUTO FILE

When the card is switched, the folder number remains the same, and the file number follows the file number on the previous card.



When copying files to a computer, even from multiple cards or when you have shot a great many pictures, the files numbers will not overlap. However, when you have shot 9999 pictures, the counter returns to 0001.

The same folder name is maintained so that when images are copied to the computer, the original folder and the new folder will have the same folder name and the images will be stored in the same folder via the copy overwrite function.

## HELP

- When you have reached the maximum file capacity of 9999 files, or the maximum folder capacity of 999 folders, the number of storable pictures goes to zero and no further shooting is possible even if space remains on the card. Change the card at this time. You can continue to shoot, the folder number will be set to 100 and the file numbering will re-start from 0001, regardless of the previous folder and file number settings.

## NOTE

- If a different card containing previously stored files is inserted and the number of files on the new card is greater than the last card, the file numbering system changes. Subsequent photo files will be numbered in sequence following the highest number on the inserted card.

# Turning Off Warning Sounds

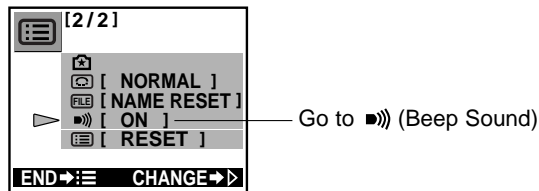
## (Beep Sound)

When shooting weddings or for wildlife shots, the camera warning sounds can be a liability. In such cases, the beep sound can be set to "OFF".

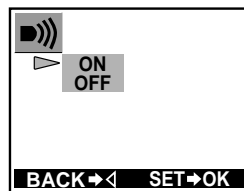
This setting value remains in memory even after the power is turned off.

For details about how to use the menu, see "Using the Shooting Menu" (p.74).

Item to select in the shooting menu:



Settings:



**ON (default setting):**

Depending on the operation, the warning beep will sound.

**OFF:**

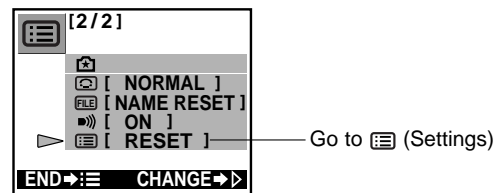
The warning beep does not sound.

# To Retain Settings Even After Power is Turned Off (Settings)

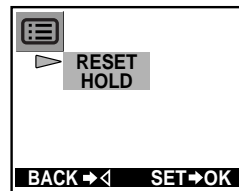
If there is an – or  $\Delta$  under the settings column of the chart in "Functions of the Shooting Menu" (p.72) section, the function in question returns to the default setting when the power is turned off. Those items marked with a  $\Delta$  can be changed and reset to retain the new setting in memory even after the power is turned off (HOLD).

For details about how to use the menu, see "Using the Shooting Menu" (p.74).

Item to select in the shooting menu:



Settings:



**RESET (default setting):**

Those items marked with  $\circ$  hold the last setting used. For the flash settings, only the "Red-eye Reduction Flash" remains in the memory; the other settings are cancelled (p.64).

**HOLD:**

Among the settings on p.72, items marked with  $\circ$  and  $\Delta$  can be retained in the memory. All flash settings are held in memory (p.64). However, if the batteries are removed, all  $\Delta$  settings return to the initial settings.

# Functions of the Playback Menu

The playback menu allows you to play back automatically the images in the order, and adjust the monitor brightness according to the setting selected in the playback menu.

You also need to display the playback menu to play back and edit movie pictures.

For details about how to use the menu, see “Using the Playback Menu” (p.102).

Item	Purpose	Page
Movie playback;*	Movie pictures is played back.	104
Automatic playback;**	Images can be played back automatically in order.	106
Number display	The frame number displayed at the bottom right of the screen can be changed to the file number.	107
Function ; *	Unneeded frames at the beginning or end of movie pictures can be deleted.	108
Card Function ; **	N/A (no account)	—
Card set-up	Protected frames will be saved and all others deleted.	110
Erase all frames		
Format	Only format when formatting is required.	111
Setting date and time	Date and time can be set.	31
Index display	When image index is displayed, the number of images that display on the screen is set.	113
Monitor adjustments	The brightness on the monitor can be adjusted.	114

\* Appears in the playback menu only when movie pictures are being played back on the monitor.

\*\* Appears in the playback menu only when still pictures are being played back on the monitor.

## Settings after power is turned off

Certain settings selected on the shooting menu remain in memory even after the power is turned off, while others automatically return to the default settings.

The chart below shows the available settings from this menu:

Item	Setting	Memory
Automatic playback	...□ SLOW ( ≠ □ FAST)	—
Number display	(FRAME No.) FILE No.	—
Setting date and time	(1.1. '00 0:00)	○
Index display	4 (9) 16	○
Monitor adjustments	(The monitor is set at the middle of the adjustment bar.)	○

\*The initial setting is indicated in parentheses.

The icons in the “Memory” box are designated as follows:

- The setting remains until it is changed.
- The setting will return to the default setting when the power is turned off.

## CAUTION

- If the batteries are removed and left out of the camera, or if the batteries run down, the settings will return to their defaults.

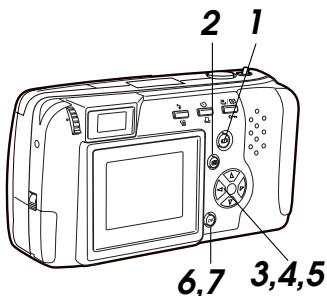
# Using the Playback Menu

## 1 With the lens barrier closed, push the monitor button.

- The power turns on in playback mode and the monitor displays the last image taken.

## 2 Press the Menu button.

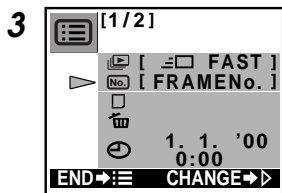
- The playback menu will be displayed on the monitor.



## 3 Press the arrow pad $\Delta$ or $\nabla$ to select [menu item].

(In the example in the diagram on the left figure, [menu item No.] will be Number Display.)

- The selected menu item turns green.  
At this point, you are able to check the current settings. Settings are displayed within the brackets on the right side of the menu item name.

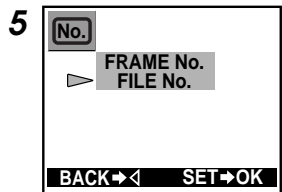


## 4 Press the arrow pad $\triangleright$ .

- The setting details of the selected item will be displayed.

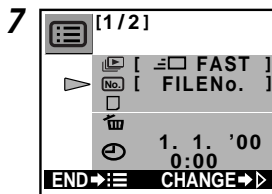
## 5 Press the arrow pad $\Delta$ or $\nabla$ to select [menu item].

- In the example in the left figure, setting will be "FILE No.". The selected setting turns green.



## 6 Press the OK button.

- The setting will be changed and the initial screen of the menu is displayed.

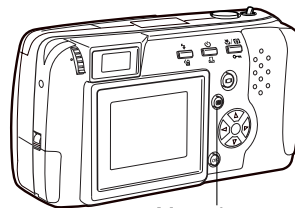


## 7 Press the OK button after checking to see if the setting has been changed.

- The setting will remain and the menu turns off.

## To cancel a setting change

Press the Menu button instead of the OK button in step 6.



Menu button

## Some settings return to the default when the power is turned off.

Depending on the selected item, some will return to the default and others will be saved in the current setting.

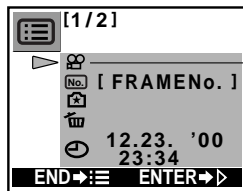
# To Play Back Movie Pictures

## (Movie playback)

When playing back movie pictures, before going to the playback menu, the images with the movie picture "⏮" symbol that you would like to play back should first be displayed.

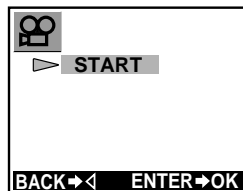
For details about how to use the menu, see "Using the Playback Menu" (p.102).

Item to select in the playback menu:



Go to ⏮ (Movie Playback)

Settings:



### START:

Playing back a movie picture currently displayed.  
Press the OK button and after a few moments the image will begin to move.

## Operations during playback

**1** Press the OK button to pause the playback.

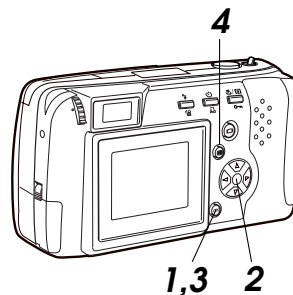
**2** While the camera is on pause, the following operations are possible:

- △ : Returns to the beginning of the movie picture.
- ▽ : Advances to the end of the movie picture.
- ▷ : Moves forward one frame.
- ◁ : Moves backward one frame.

**3** To resume playback, press the OK button again.

**4** To stop playback, press the menu button.

- Returns to the playback menu.



## To play back different movie picture

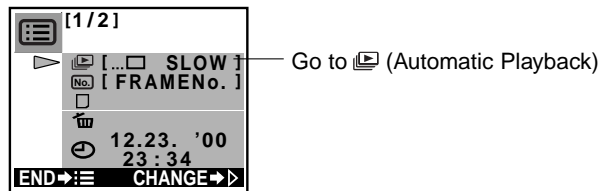
Press the menu button to shut down the playback menu. Select the movie picture you want to play back, and reactivate the playback menu.

## To Play Back Still Images One by One (Automatic Playback)

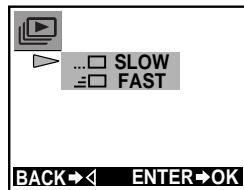
The images are automatically played back in order. This is useful for reviewing images in sequence.

For details about how to use the menu, see “Using the Playback Menu” (p.102).

Item to select in the playback menu:



Settings:



... ☐ **SLOW:**

The images are played back one by one at 15-second intervals.

☐ **FAST:**

The images are played back one by one at 2-second intervals. To start “Automatic Playback”, press the OK button.

### Ending the task

To end automatic playback, press the menu button. Even after all the images have been played back, the automatic playback does not turn off. If the camera is left untouched for 30 minutes when using the batteries, it automatically turns off.

## To Change the Number Display (Number Display)

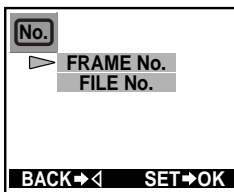
During playback, the frame number is displayed in the bottom right-hand corner of the monitor screen. This display can be changed to temporarily show the file number instead (p.97).

For details about how to use the menu, see “Using the Playback Menu” (p.102).

Item to select in the playback menu:



Settings:



### FRAME No.:

(Numbering starts from when the power is turned on)

- The card image number is displayed.
- When an image is erased, the image numbers of subsequent frames change accordingly.

### FILE No.:

- This is the number assigned to an image file (p.97).
- While the file number is being displayed, the date and time will not be visible.
- In catalog display mode (p.51), the number displayed will be the frame number, even when the camera is set to file number display.

**Settings return to the default settings when the power is turned off.**

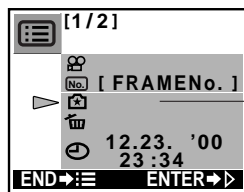
When the power is turned off, the setting will return to “FRAME No.”.

# To Edit Out Excess Frames from the Beginning or End of a Movie Picture (Function)

When shooting movie pictures, in order to avoid errors it is often helpful to shoot a few extra frames at the beginning and end of a shot (p.90). These unneeded frames can be edited out. Before calling up the playback menu, you need to display the portion with the "Ⓜ" mark that you would like to edit.

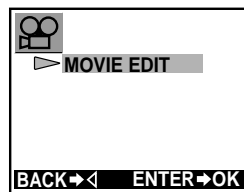
For details about how to use the menu, see "Using the Playback Menu" (p.102).

Item to select in the playback menu:



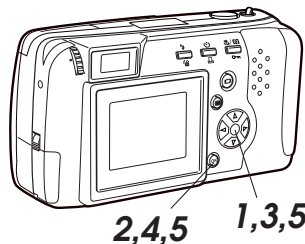
Go to Ⓜ (Function)

Settings:



## MOVIE EDIT:

This lets you edit out frames at the beginning and end of a movie picture.



## Editing operations

**1** Choose the frame that you want to be the first frame of your movie picture.

- ▷ : Moves forward one frame.
- ◁ : Moves backward one frame.
- △ : Returns to the beginning of the movie picture.
- ▽ : Advances to the end of the movie picture.

**2** Press the OK button.

- The monitor displays the end frame selection.

**3** Select the frame you want to be the ending frame of your movie picture.

- ▷ : Moves forward one frame.
- ◁ : Moves backward one frame.
- △ : Returns to the new first frame.
- ▽ : Advances to the end of the movie picture.

**4** Press the OK button.

- The end frame is determined.

**5** Select how you want to save the movie picture and press the OK button.

**NEW CREATE** → saves it as a new movie picture.

**OVERWRITE** → erases the version before the edit and saves the new version.

**CANCEL** → cancels the edit mode and returns to the playback menu.

## NOTE

- Movie pictures taken with other digital cameras may not be edited out.



## To Erase All Images (All Erase Frames)

This erases all the pictures stored on a card. Protected images (p.55), however, will not be erased.

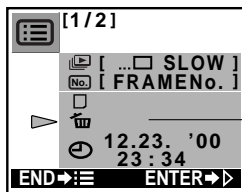
**For details about how to use the menu, see “Using the Playback Menu” (p.102).**

### Check the contents carefully before erasing

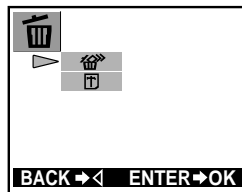
- It is not possible to retrieve images once they have been erased. Be sure that you are not deleting important picture data before performing erase all frames a card on which pictures have been stored. Any images that have been protected with the write-protect function (p.55), however, will not be erased.
- Erase All Frames cannot be performed on cards affixed with write-protect seals. Remove the write-protect seal from the card before attempting to erase. The write-protect seal cannot be reused after it has been removed from the card.

### Item to select in the playback menu:

“All Erase Frames” is a setting in “Card Setup”.



Go to [trash can icon] (Card Setup)



Erases all pictures on the card.



(This is a separate function. For details, see p.111.)

### CAUTION

- Never open the card cover, eject the card, remove the batteries or disconnect the AC adapter while erasing pictures. Doing so could result in damage to the data on the card.

## To Initialize a Card (Formatting)

Non-Olympus brand cards and cards formatted or used on a computer may have longer writing times or a reduced number of storable pictures.

To solve this problem, reformat such cards with the camera. The use of pre-formatted Olympus brand cards is highly recommended.

When a card that needs to be formatted is inserted into the camera, the card warning symbol will illuminate on the control panel and the camera will automatically go into formatting mode.

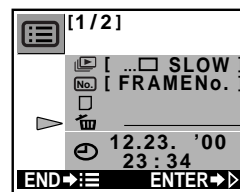
**For details about how to use the menu, see “Using the Playback Menu” (p.102).**

### Before formatting a card, beware of the following:

- All images, including those that have been write-protected, will be erased. When reformatting a card that has been used, make sure that you are not erasing important picture data.
- Reformatting special function cards will delete the function from the card.
- Formatting cannot be performed on cards affixed with write-protect seals. Remove the write-protect seal from the card before formatting. The write-protect seal cannot be reused after it has been removed from the card.

### Item to select in the playback menu:

“Formatting” is a setting in “Card Setup”.

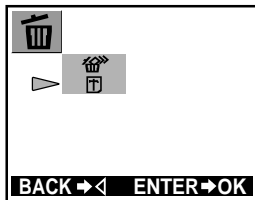


Go to [trash can icon] (Card Setup)



## To Initialize a Card (continued)

### Settings:




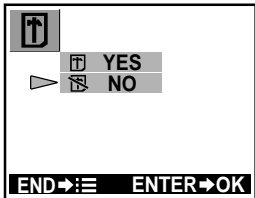
(This is a separate function. For details, see p.110.)



This initializes the card.

### Starting and cancelling formatting

Select "  " in card setup, then press the OK button. The following screen will be displayed:



**YES:**

Starts formatting



**NO:**

Cancels formatting

### CAUTION

- Once formatting has been started, it can not be cancelled part way through.
- Never open the card compartment cover, disconnect the AC adapter, remove the batteries or remove the card while erasing, as doing so could damage the data on the card.

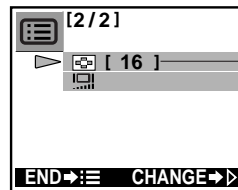
## To Change the Catalog Frame Number (Index Display)

In playback mode, you can press the zoom lever and display the images catalog style (p.51). It is also possible to change the number of images that are displayed on the monitor when using the "Index Display."

This setting remains in the camera memory even after the power is turned off.

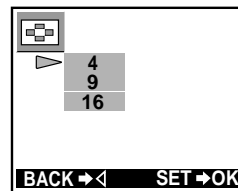
For details about how to use the menu, see "Using the Playback Menu" (p.102).

### Item to select in the playback menu:



Go to  (Index Display settings)

### Settings:



- The monitor displays in quarter screen panels
- The monitor displays in 9th screen panels. (Initial setting)
- The monitor displays in sixteenth screen panels

\*When images are displayed in sixteenths, the image frame number does not appear.

### To show images catalog style

Depending on the index display setting, you can display 4 to 16 images at a time index-style on a split screen. For more about this operation, see "Displaying All Frames" (p.51).

# To Adjust Monitor Brightness

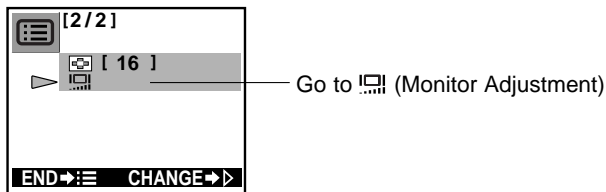
## (Monitor Adjustment)

The brightness of the monitor can be adjusted.

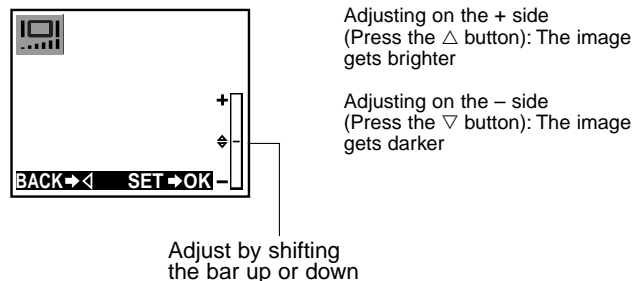
This setting remains in the camera memory even after the power is turned off.

For details about how to use the menu, see “Using the Playback Menu” (p.102).

Item to select in the playback menu:



Settings:



## To Have Your Pictures Printed

Pictures can be printed in any of the following ways:

### Either with a DPOF-compatible printer, or at a conventional photo laboratory with DPOF capabilities.

Using the "Print Reserve" function, you can decide which photos you want printed, and electronically mark them on the SmartMedia Card while it is still in the camera. If you select photos for printing with a DPOF printer or at a photo lab, your selection is printed automatically at the time of processing. However, you are not able to specify the number of copies.

### Using an Olympus Photo Printer for Olympus digital cameras (sold separately)

Printing pictures is easy with an Olympus Photo Printer for Olympus digital cameras. Simply insert the card into the slot and you can print with the touch of a button (p.121).

### Printing from a computer

You can use CAMELIA Master 2.0 to print pictures using a computer and the following equipment:

- Software and computer connection cable
- FlashPath Floppy disk adapter (sold separately)
- PC card adapter (sold separately)
- USB SmartMedia reader/writer (sold separately)

Read these instructions manuals for further information.

### The Digital Print Order Format (DPOF)

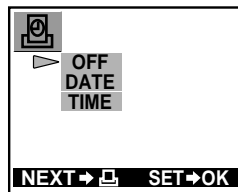
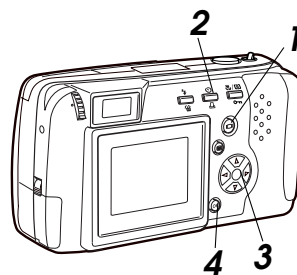
Your camera records photos in Digital Print Order Format (DPOF). You can easily print pictures from the card using a photo lab that supports the DPOF system, or with your own DPOF printer.

### HELP

- Images taken with this camera can also be printed using a printer or a lab that supports the Design rule for Camera File system/DCF.
- Using this camera, you cannot change the print reserve commands set by another DPOF-compatible device. Changes must be made on the equipment with which the commands were first entered.
- If you use this camera to enter a print reserve command on a card that already has print reserve commands entered by other devices, those prior commands may be cancelled.
- If print data is written using Card-Print to a card which contains print data written with other equipment, the old data may be erased.
- Printers designed to be connected directly to the camera, such as the Olympus P-300 digital printer, cannot be used with this camera.
- Certain camera functions may not work with all printers and photo labs.

## Printing the Date and Time on Your Photos

When printing your photos on a DPOF compatible printer or photo lab, you can have the date and time they were shot printed on them. To do so, set the camera to include the date and/or time before you select the images for printing (p.119).



### 1 With the lens barrier closed, press the monitor button.

- The power turns on in playback mode and the most recent photo taken is displayed on the monitor.

### 2 Press the print button. The Date Print Screen will appear on the monitor.

- Pressing the print button twice calls up the print reserve screen. Then press once to return to the playback mode.

### 3 Press the arrow pad $\Delta$ or $\nabla$ to select the date/ time information you want printed on the photo.

- OFF:** Shows no date or time.  
**DATE:** Shows the date the photo was taken.  
**TIME:** Shows the time the photo was taken.
- All the photos stored on the card reflect these settings.

### 4 Press the OK button.

- The setting is made and the camera returns to playback mode.

### To cancel a setting

At step 4, press the print button instead of the OK button to return to playback mode.

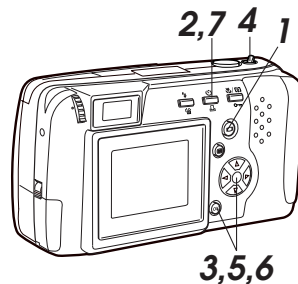
## HELP

- Make sure the date and time are set correctly on the camera before using this feature.
- This function does not work with the P-330N/P-330 Olympus digital camera photo printer. Use the dateprint function on the printer.
- It takes some time to return to playback mode.

## CAUTION

- If you change the setting, all the settings for photos already for DPOF printing will also change.

# Selecting an Image to Be Printed (Print reserve)



**1** With the lens barrier closed, press the on/off monitor button.

- The power turns on in playback mode and the last photo taken is displayed on the monitor.

**2** Press the print button twice.

- The print reserve screen appears in the monitor. Press once to return to the playback mode.

**3** Select reserve single frames by pressing the arrow pad, then the OK button.



For selecting certain images to be printed.



For selecting all images to be printed.

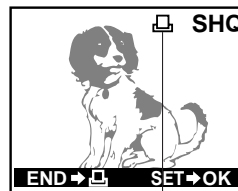
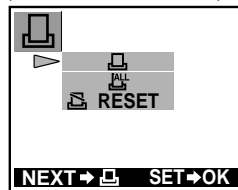


**RESET:**  
Deletes all previous print reservations

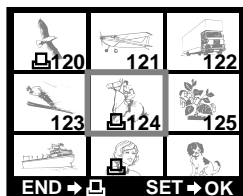
These appear on the print reserve screen.

**4** When needed, you can display the index by pushing the zoom lever.

Monitor  
(Print reserve screen)



Print mark



**5** Press the arrow pad to select the image to be reserved for printing, then press the OK button.

- ◀: Displays the previous image.
- ▶: Displays the next image.
- △: Displays the 10th image backward (the 9th image backward on the index).
- ▽: Displays the 10th image forward (the 9th image forward on the index).
- The print mark will be displayed on the preselected image.

**6** Press the OK button again to cancel the print reserve command.

- The print mark disappears from the selected image.

**7** Press the print button.

- The print reserve command will be stored on the card and the camera returns to playback mode.

#### To cancel a print reserve command

At step 3 or 4, press the preprint button instead of the OK button to return to playback mode. Previously set print commands, however, will still be saved.

At step 5 or after, press the monitor on/off button to turn off the power.

#### To reserve all images for printing

Select "ALL" at step 3 to reserve all images on the card to be printed.

#### After printing

Print reserve commands remain on the card even after printing. To select new images to be printed, be sure to cancel old print reserve commands before making new ones.

All the print reserve commands will be cancelled by selecting "RESET" at step 3.

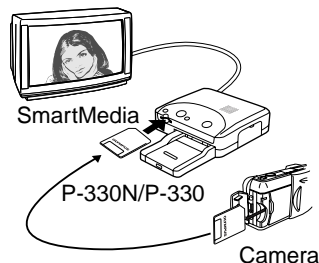
#### NOTE

- Certain functions may not work with all printers and photo labs.
- It takes some time for the print mark to appear.
- Print reserve commands cannot be put on a card that has insufficient memory or is protected with a write-protect seal.
- Images with the mark can not be reserved for printing.

## Printing with the Olympus Photo Printer for Digital Cameras

The Olympus Photo Printer for Digital Cameras, the P-330N/P-330 (sold separately), is a DPOF-compatible printer. Print your pictures by inserting a card set with print reserve commands (p.119) into the Olympus Photo Printer.

See the Olympus P-330N/P-330 Photo Printer for Digital cameras instruction manual for further information.



#### Main features of P-330N/P-330

Print Single frames / Multi-print (4, 9, 16 splits) / Print reserve / Camera reservation (Card Reserve) / Print cropping (1.5x, 2x) / Date print  
Reverse print (left/right inversion) / Special Function Smart Card compatible (Supports the composite template function)

#### NOTE

- The Olympus P-330N/P-330 Photo Printer cannot be connected to the data input/output (I/O) terminal of the camera.
- Connecting the P-330N/P-330 printer directly to the video output terminal of the camera will result in low quality prints.

## Installing Provided Software

To take advantage of a wide range of functions, including downloading, display, storage and panorama assembly, install the CAMEDIA Master software application from the included CD-ROM.

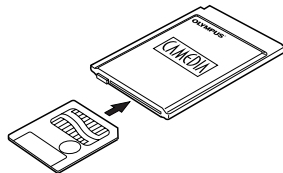
## Transferring Picture Data to a Computer

Picture data stored on a SmartMedia card can be transferred to a computer in the following ways:

However, before you can play back movie pictures on a computer, you must install Quick Time which is included with the CAMEDIA Master CD ROM.

### Transferring Picture Data with a Computer SmartMedia Card Adapter

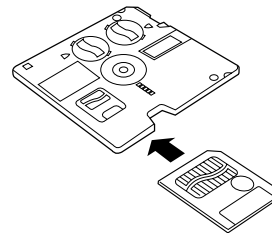
You can transfer picture data from a SmartMedia card directly to a computer equipped with a PC card slot or an external PC card reader/writer using the PC Card Adapter. See the computer card adapter instruction manual for further information.



### Loading with a Floppy Disk Adapter

The picture data on a SmartMedia card can be transferred directly to a computer equipped with a 3.5" floppy disk drive using the FlashPath floppy disk adapter.

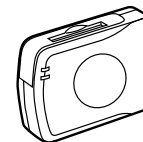
See the FlashPath instruction manual for further information.



### Transferring Data with a SmartMedia Reader/ Writer

You can transfer picture data from the card directly into a computer equipped with a USB port by using a SmartMedia reader/writer. The SmartMedia Reader/Writer can only be used on computers with Windows 98/2000 professional or Mac OS 8.6 (or later versions) and that have a USB port.

See the SmartMedia reader/writer instruction manual for details.



#### NOTE

- Check for compatibility. This equipment may not function properly with all operating systems.
- Do not use SmartMedia cards with write-protect seals on your computer as errors may result. See the adapter instruction manual for further information.
- Using a computer to change image file names or move files to directories you have created may make such files unavailable for playback on the monitor.
- Opening or saving image files on the computer in applications by manufacturers other than Olympus may make such files unavailable for playback on the monitor.

# Connecting your Camera to a Computer with a Computer Cable

## Computer Operating Environment

### IBM PC/AT compatibles (As of June 2000)

OS : Windows 98SE/98/95/NT 4.0/2000 professional  
CPU : Pentium or better  
Available hard disk space : at least 30MB  
Memory : at least 32MB  
Serial port : Standard RS-232C interface  
Type : D-SUB 9-pin  
Monitor : 256 color or better, at least 800 × 600 dots.  
Using a 32000 color monitor or better is recommended.

### Apple Macintosh (As of June 2000)

OS : Mac OS 7.6.1 ~ 9.0.4  
CPU : PowerPC or later  
Available hard disk space : at least 30MB  
Memory : at least 32MB  
\*Serial port : Printer port or modem port  
Monitor : 256 color or better, at least 800 × 600 dots.  
Using a 32000 color monitor or better is recommended.

\*Not available for models with USB ports such as iMac and iBook.

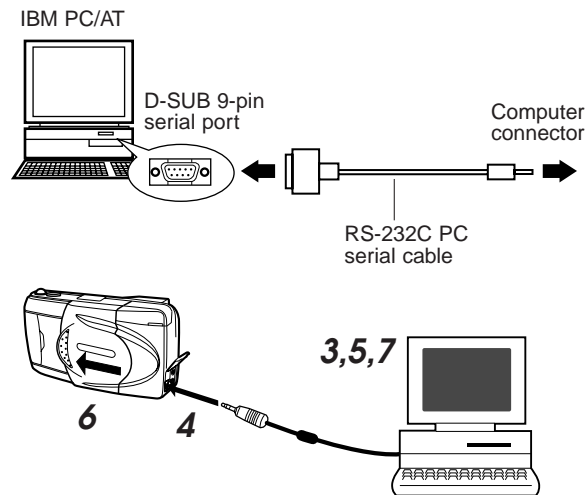
## Connecting your Camera to a Computer

Use the appropriate connector to your computer.

### 1 Preinstall CAMEDIA Master 2.0 on your computer.

- For installation details, see the CAMEDIA Master online instructions.

- Make sure the power on both the computer and the camera is turned off before connecting.
- Attach the provided RS-232C PC serial cable to the serial port (COM1 or COM2) on your computer.
- Open the connector cover on the camera and connect the computer cable to the data input/output (I/O) terminal on the camera.
- Turn on your computer.



- Open the lens barrier of the camera.
- Start up CAMEDIA Master 2.0.

**HELP**

- Make sure the camera is off before connecting to a computer. The camera may not work properly if you connect while the power is on.
- When connected to the computer, some of the camera buttons will not operate.
- CAMELIA Master cannot communicate with the camera if the camera's lens barrier is closed.

## NOTE

- Use of the AC Adapter (sold separately) is recommended when downloading to avoid excessive battery power consumption.

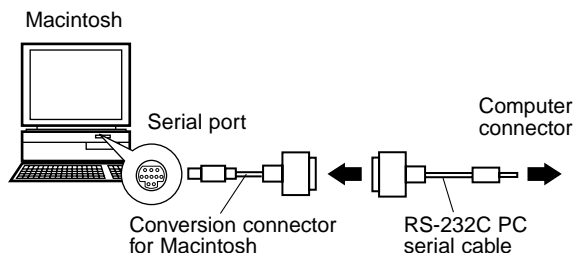
## Computers Requiring a Conversion Connector

The following computers need a conversion connector to connect the RS-232C PC serial cable.

## Apple Macintosh

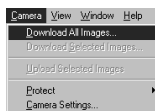
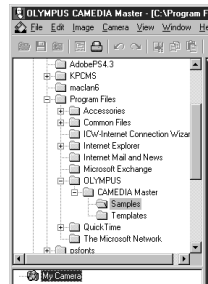
First plug the IBM-compatible connector cable into the conversion connector for Macintosh.

Next, connect the conversion connector for Macintosh to the computer's printer port or modem port.



## Loading Images with CAMEDIA Master 2.0

Using CAMEDIA Master 2.0 you can check camera images on the computer and then download them.



- 1 Start up CAMEDIA Master 2.0 on your computer.**
- 2 Locate and click the “My Camera” icon at the lower left or the CAMEDIA Master program window.**
  - A catalog list of stored pictures will be displayed.
  - No images will be displayed when no card is inserted.
- 3 Place the cursor on the desired image and double-click.**
  - This will open the selected image.
- 4 Select [Camera], then [Download All Images] from the menu bar.**
  - The computer will transfer all photos from the camera.

You can view images on your computer using JPEG-compatible graphic software (such as Paint Shop Pro and Photoshop), or Internet browsers (such as Netscape Communicator and Microsoft Internet Explorer), as well as by using CAMEDIA Master itself. Refer to the appropriate software instruction manuals for details.



# Using CAMEDIA Master 2.0: Introduction

This software can be used to download, process, and save load images. The instructions are located in the CAMEDIA Master folder on your computer.

For details, see the CAMEDIA Master 2.0 online instructions.

## Making Dark Images Brighter

Some images may come out darker than expected. You could try to take another photo immediately, but often the right moment has passed and won't get the shot you are looking for.

However, it is easy to brighten images with CAMEDIA's one-touch correction function.



## Correcting Blurry Images

Backlight sometimes makes a whole picture blurry, and objects in front of the main subject may be out of focus.

When this happens use the CAMEDIA Master Sharpen function to sharpen the overall focus of an image. However, this feature can not completely compensate for extreme image blurriness.



## Composing Images with Templates

It is easy to create fun composite images using CAMEDIA Master templates.



\* The example shows a Windows screen. Certain functions differ depending on whether you are using Windows or a Macintosh operating system.

# Answers to Frequently Asked Questions

**Q** How long will the camera batteries last?

**A** You should be able to take as many as 100 frames when the flash is used in about half the shots, but this is only a rough estimate. Battery life is affected by many variables, such as how often you use the monitor, how often you use the flash, the type of batteries used and environmental conditions. Using the monitor frequently will drain battery power quickly, so keep it turned off to save power. Use of the optional AC adaptor is recommended.

**Q** How can I set the clock in the camera for recording the date on image data?

**A** Date setting is not made when the camera is shipped. You must set the date before shooting (p.31). The date can be set either from the camera or using the CAMEDIA Master 2.0. The set date will be cancelled approximately 1 hour after the batteries are removed from the camera.

**Q** Can I use a filter or a hood with this camera?

**A** Such accessories cannot be connected to the camera.

**Q** Can I use an extension flash with this camera?

**A** This camera was not designed for use with extension flash units. Also, a slave unit may not function with this camera.

**Q** Why do the subject's eyes sometimes appear red in the pictures?

**A** This red-eye phenomenon occurs with all cameras when shooting people using a flash. This is caused by the light from the flash reflecting off the back of the eye. Red-eye varies depending on the individual, as well as shooting conditions such as ambient lighting. Use of the Red-eye Reduction Flash Mode significantly reduces this phenomenon (p.65).

**Q** How should I store the camera?

**A** Cameras can be damaged by dust, moisture and salt. Wipe the camera with a slightly damp cloth and dry thoroughly before storing. Do not store with mothballs. Remove the batteries if you do not plan to use the camera for a long period of time.

# Troubleshooting

(Check before Taking in for Repair)

## Operating Problems

### The camera does not work

- The power is off. → Open the lens barrier and turn on the power.
- The batteries are loaded incorrectly. → Reload the batteries correctly.
- The batteries are dead. → Replace with new batteries.
- The batteries do not work in to cold weather. → Keep the batteries warm before the camera is to be used.
- The standby function is on. → Close the lens barrier, then reopen it.
- The camera is connected to a computer and does not work → The camera will not function while connected to a computer. Disconnect the camera.

### No picture is taken when the shutter release button is full-pressed

- The flash has not finished charging or the previous picture is being written to memory. → Remove your finger from the shutter release button and wait until the green lamp or the orange lamp stops blinking.
- The card is defective. → Refer to the error chart.
- The card is full. → Insert a new card, erase unwanted pictures or transfer the data to a computer and delete all of the pictures from the card.
- The batteries are dead. → Replace with new batteries.
- The battery power is low. → Replace with new batteries. (Do not open the battery compartment cover when the green light is blinking.)
- A write-protect seal has been placed on the card or there is no card in the camera. → Insert a new card into the camera.
- The camera is in playback mode. → Open the lens barrier.

### The flash does not fire

- The flash housing is not opened. → Push up the flash.
- The subject is well lit. → Set the flash to Fill-In mode when you want the flash to fire regardless of lighting conditions. The flash does not work in sequence panorama, and movie picture modes.

### Pictures already taken do not appear on the monitor

- The camera is in record mode. → Close the lens barrier and press the monitor on/off button to turn on the monitor in playback mode.
- The SmartMedia card is empty. → "NO PICTURE" appears on the monitor. Take some pictures before displaying.
- The SmartMedia card is defective. → Refer to the error chart.
- The camera is connected to a television. → The monitor shuts down when the camera is connected to a television.

### The monitor is hard to see

- The brightness may be set incorrectly. → Adjust the brightness.
- The camera is in direct sunlight. → Block the sunlight or move to the shade.
- The monitor is broken. → Have it repaired at an authorized Olympus service center.

### Protection, One-Frame Erase, All Erase Frames or Card Formatting do not function

- A write-protect seal has been placed on the card. → Remove the seal from the card. Do not use the seal again.

### The camera is connected to a computer and an error message appears while data is being transferred

- The cable may be connected incorrectly. → Connect the cable correctly.
- The power is off. → Open the lens barrier to turn the power on.
- The batteries are dead. → Replace the batteries, or use the optional AC adapter.
- The serial port of the computer is not selected correctly. → Use the operating system software to make sure the serial port is selected correctly.
- There is no available serial port. → Make one available by following the computer's instructions.

## Picture Problems

### The picture is out of focus

- The camera was jarred when the shutter release button was pressed. → Hold the camera firmly and press the shutter release button smoothly.
- The viewfinder autofocus mark was not positioned on the subject. → Position the autofocus frame on the subject, or use the focus lock.
- The lens is dirty. → Clean the lens with a soft, dry cloth.
- The mode was not selected correctly. → Shoot in the macro mode where the subject is within the range of 8" to 31". For greater distances, shoot in the standard mode.
- The shutter release button was pressed while standing directly in front of the camera when using the self-timer. → When using the self-time, press the shutter release button while looking into the viewfinder, not while standing in front of the camera.
- A flash was needed for the photo, but somehow neither the auto-flash nor fill-in flash mode was operating. → The shutter speed become slower and the exposure time becomes longer, so use the tripod or hold the camera as steady as possible to avoid camera movement.
- Quick Focus was used in the wrong focal range. → Use the correct Quick Focus setting for the distance you're shooting at.

### The picture is too bright

- The flash is set to fill-in flash mode. → Set the flash a different mode.
- The subject being shot is excessively bright. → Use the exposure compensation feature, or change the angle of the camera.

### The picture is too dark

- The flash was blocked by a finger. → Hold the camera correctly, keeping your fingers away from the flash.
- The subject was out of the working range of the flash. → Shoot within the flash working range.
- The flash mode was turned off. → Push up the flash housing before shooting.
- The subject was too small or was backlit. → Set the flash to fill-in mode, or use the spot metering mode.
- The picture was taken in the sequence mode. → Pictures will appear dark in the sequence mode because of the fast shutter speed, especially in dim light.

### The colors of pictures taken indoors look unnatural





- The lighting affected the picture. → Set the flash to fill-in mode.
- The subject is mostly dark. → Use flash or increase exposure compensation +.
- The white balance setting is incorrect. → Set the white balance to suit lighting conditions.

### The picture has obscured edge(s)

- The lens was partly blocked by a finger or the strap. → Hold the camera correctly, keeping your fingers and the strap away from the lens.
- The shooting distance was too close. → Use the monitor.

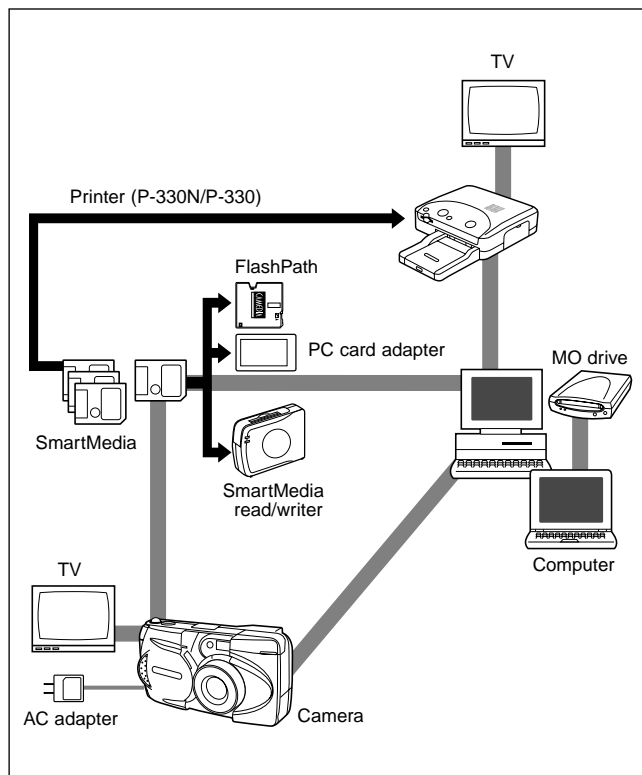
## Error Codes

The monitor displays error codes and indicators on the control panel blink to alert you to various problems.

Warning Monitor Display	Error	Remedy
 <b>NO CARD</b> The card is not being recognized.	There is no card in the camera, or the card is not inserted correctly.	Insert or remove and reinsert the card.
 <b>CARD FULL</b> Number of storable pictures is 0.	The card is full.	Replace the card, erase unwanted pictures, or transfer the data to a computer and erase all the data to free up space on the card.
 <b>WRITE PROTECT</b> A write protect seal has been placed on the card and cannot be written to.	The camera cannot enter picture, erase or card-format mode.	Remove the write-protect seal before taking any photos.
 <b>CARD ERROR</b> This card cannot be used.	You are unable to shoot, playback, or erase pictures with this card.	Wipe the terminal area of the card with lens paper and insert the card again. A card that cannot be formatted cannot be used.

## Using the Camera with Optional Equipment

This camera can be used with the following optional equipment:



As of June 2000

## Optional Items

- Photo Printers For Olympus Digital Cameras
- AC Adapter
- Camera Case
- Standard SmartMedia Card (8/16/32/64MB)
- FlashPath Floppy Disk Adapter
- PC Card Adapter
- NiMH Batteries
- NiMH Battery Charger
- USB SmartMedia Reader/Writer

As of June 2000

## Notes on Display and Backlight

- The control panel and the fluorescent lamps used in the monitor have a limited service life. If they begin to darken or flicker, contact your nearest service center.
- In cold conditions, the display backlight may be slow to come on or may change color suddenly. To avoid this, keep the camera warm when using in cold temperatures. Backlight performance will return to normal under normal temperature conditions.
- When the color monitor shows different pictures, some pixels may not change color and remain on or off. This phenomenon may be due to a lag in some circuits, but is considered to be within the normal operating tolerances of the monitor. In addition, the brightness of the color monitor may vary between pictures.

## Specifications

<b>Product type:</b>	Digital Camera Image Recording System for shooting and playing back photo images.
<b>Still pictures:</b>	Digital recording, JPEG, TIFF non-compression DCF compliant/DPOF compliant
<b>Movie pictures:</b>	QuickTime Motion JPEG compliant
<b>Recording medium:</b>	3V (3.3V) SmartMedia card 2MB, 4MB, 8MB, 16MB, 32MB, 64MB
<b>No. of storable still pictures:</b>	Approx. 1 shot (SHQ-TIFF Mode/8MB card) Approx. 5 shots (SHQ Mode/8MB card) Approx. 16 shots (HQ Mode/8MB card) Approx. 32 shots (SQ-HIGH Mode/8MB card) Approx. 82 shots (SQ Mode/8MB card)
<b>Erase:</b>	One-Frame Erase, Erase All Frames
<b>Image pickup element:</b>	1/2.7 inch CCD solid-state image pickup 2,110,000 pixels (gross)
<b>Recording image:</b>	1600 x 1200 pixels (SHQ-TIFF/SHQ/HQ Mode) 640 x 480 pixels (SQ/SQ-HIGH Mode)
<b>White balance:</b>	Full auto TTL, Preset (daylight, overcast, tungsten light, fluorescent light)
<b>Lens:</b>	Olympus lens 5.4 ~ 16.2mm, F2.8 ~ 4.4, 8 elements in 6 groups (equivalent to 35 ~ 105mm lens on a 35mm camera)
<b>Photometric system:</b>	Digital ESP metering system, Spot metering system
<b>Exposure control:</b>	Program auto exposure
<b>Aperture*:</b>	W: F2.8, F5.6 T: F4.4, F8.6
<b>Shutter*:</b>	1/2 ~ 1/1000 sec. (used with mechanical shutter) *Manual setting of shutter speed is not supported
<b>Shooting range:</b>	31" ~ ∞ (in standard mode) 8" ~ 31" (in macro mode)
<b>Viewfinder:</b>	Optical real image viewfinder (with autofocus mark and backlighting correction mark), monitor
<b>Monitor:</b>	1.8 inch TFT color LCD
<b>No. of pixels:</b>	Approx. 61,000
<b>On-screen display:</b>	Date/time, frame number, write-protect, picture mode, battery check, file number display, print reserve, menu, etc.

<b>Battery charging time for flash:</b>	Approx. 8 sec or less (at room temperature with new batteries)
<b>Flash working range:</b>	W: Approx. 8" ~ 13" T: Approx. 8" ~ 8.5"
<b>Flash modes:</b>	Auto-Flash (automatic flash activation in low light and backlight), Red-eye Reduction Flash, Off (no flash), Fill-In Flash, Slow Shutter Sync Flash, Red-eye Reduction Flash + Slow Shutter Sync Flash
<b>Autofocus:</b>	TTL system autofocus
<b>Exposure compensation:</b>	Exposure compensation system
<b>Focusing range:</b>	8" ~ ∞
<b>Self-timer:</b>	12 sec. delay
<b>External connectors:</b>	AC adapter Computer connector (RS- 232C), Video output connector Recorded in picture data
<b>Date and time:</b>	Up to year 2030
<b>Automatic calendar system:</b>	
<b>Card system:</b>	Panorama assembly
<b>Usage environment:</b>	Temperature: 32 ~ 104°F (in use) / -4 ~ 140°F (in storage) 30 ~ 90% (in use) / 10 ~ 90% (in storage)
<b>Humidity:</b>	
<b>Power supply:</b>	This camera uses either four AA (R6) alkaline, NiMH lithium or NiCd batteries. Two-battery CR-V3 lithium battery packs (Olympus model LB- 01) are also available. Do not use Zinc-carbon batteries in this camera. Exclusive AC adapter (optional)
<b>Dimensions (excluding the raised portion):</b>	5" (W) x 2.6" (H) x 2.1" (D)
<b>Weight:</b>	9.5 oz (excluding batteries/SmartMedia card)

Specifications are subject to change without any notice or obligation on the part of the manufacturer.

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